UNCLASSIFIED

AD 297 410

Reproduced by the

ARMED SERVICES TECHNICAL INFORMATION AGENCY
ARLINGTON HALL STATION
ARLINGTON 12, VIRGINIA



UNCLASSIFIED

NOTICE: When government or other drawings, specifications or other data are used for any purpose other than in connection with a definitely related government procurement operation, the U. S. Government thereby incurs no responsibility, nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use or sell any patented invention that may in any way be related thereto.

297410

PHILCO CORPORATION

Western Development Laboratories

In reply cite: 614-3-181

RWB/KRO/tmb 28 February 1963

SUBJECT:

Contract AF04(695)-278

Submission of Technical Report WDL-TR2015

As a deliverable item

TO:

Comander

Space Systems Division Air Force Systems Command United States Air Force Air Force Unit Post Office Los Angeles 45, California

ATTENTION:

Technical Data Center

INFO COPIES:

ASTIA, Arlington, Virginia (2 copies)

D. Cowart, CSD #3 (1 copy)

T. R. Tremper, AFSSD/SSOCK (w/o enclosure)

REFERENCE:

(a) Contract AF04(695)-278, Exhibit "C", Section II

(b) AFBM 58-1, Para. 2.1

In accordance with the requirements of references (a), and (b), we are forwarding ten (10) copies of the following document:

Title

No. and Date

WDL-TR2015

28 February 1963

Program Test Plan for Multiple Satellite Augmentation - Phase A

PHILCO CORPORATION
Western Development Laboratories

R. W. Boyd

Manager, Contracts Management

TECHNICAL OPERATING REPORT

WDL-TR2015 28 FEBRUARY 1963

PROGRAM TEST PLAN
FOR MULTIPLE SATELLITE
AUGMENTATION - PHASE A

PREPARED TOR

AIR FORCE SPACE SYSTEMS DIVISION AIR FORCE SYSTEMS COMMAND UNDED STATES AIR FORCE INCLEWOOD CALIFORNIA

CONTRACT AF04(695) -278

PHILCO

WESTERN DEVELOPMENT LABORATORIES PALO ALTO, CALIFORNIA

TECHNICAL OPERATING REPORT

PROGRAM TEST PLAN FOR MULTIPLE SATELLITE AUGMENTATION-PHASE A

Prepared by

PHILCO CORPORATION
Western Development Laboratories
Palo Alto, California

Contract AF04(695) -278

Prepared for

SPACE SYSTEMS DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
Inglewood, California

ABSTRACT

PHILCO WDL-TR2015
PROGRAM TEST PLAN
FOR MULTIPLE SATELLITE
AUGMENTATION - PHASE A

This report outlines the types and preferred sequence of tests for the MSAP Phase A equipment configuration and applies to component testing through Phase IV A Testing, which is conducted on subsystems.

Phase III and Phase IV A tests as specified in this plan apply to Thule Tracking Station, New Hampshire Station, North Pacific Station, Vandenberg Tracking Station, and Hawaii Tracking Station where applicable.

THIS UNCLASSIFIED ABSTRACT IS DESIGNED FOR RETENTION IN A STANDARD 3-BY-5 CARD-SIZE FILE, IF DESIRED. WHERE THE ABSTRACT COVERS MORE THAN ONE SIDE OF THE CARD, THE ENTIRE RECTANGLE MAY BE CUT OUT AND FOLDED AT THE DOTTED CENTER LINE. (IF THE ABSTRACT IS CLASSIFIED, HOWEVER, IT MUST NOT BE REMOVED FROM THE DOCUMENT IN WHICH IT IS INCLUDED.)

FOREWORD

This Technical Operating Report describes the Contractor - Proposed Program Test Plan for the Multiple Satellite Augmentation Program, Phase "A", in compliance with Paragraph 2.1 of AFBM Exhibit 58-1, "Contractor Reports Exhibit," dated 1 October 1959, as revised and amended and Exhibit "C", Section II, of Letter Contract AF04(695)-278.

TABLE OF CONTENTS

Section		Page
1	INTRODUCTION	1-1
	1.1 Purpose	1-1 1-1 1-2 1-2
2	APPLICABLE DOCUMENTS	2-1
	2.1 General	2-1 2-1 2-1 2-1
3	SUBSYSTEM ACCEPTANCE TESTS	3-1
	3.1 General	3-1 3-1 3-2 3-2 3-2 3-3 3-3 3-4
4	PHASE III TESTS	4-1
	4.1 General	4-1
5	PHASE IV A TESTS 5.1 General	5-1 5-1
6	ANALYSIS AND EVALUATION	6-1
-	6.1 General	6-1 6-1 6-1
	APPENDIX	
Λ	MAJOR FUNCTIONS TO BE TESTED (Table 3-1 - 3-8)	A-1

LIST OF TABLES

Table		Page
3-1	Radar Tracking (Perlort)	A-4
3-2	200 Mc Autotrack Antenna	A-19
3-3	FM/FM Telemetry Ground Station	A-23
3-4	Data Handling	A-26
3-5	Control and Display	A-28
3-6	Timing	A-30
3-7	TTS Communication Ground Station	A-31
3-8	Checkout Subsystem	A-32

SECTION 1 INTRODUCTION

1.1 PURPOSE

This plan outlines the types and preferred sequence of tests for the MSAP Phase A equipment configuration and applies to component testing through Phase IV A which is conducted on subsystems. The completion of Phase IV A testing, which consists of interface tests of Philco WDL Contractor-furnished subsystems, will complete associate contractor obligations.

Phase III and Phase IV A tests as specified in this plan apply to Thule Tracking Station (TTS), New Hampshire Station (NHS), North Pacific Station (NPS), Vandenberg Tracking Station (VTS), and Hawaii Tracking Station (HTS) where applicable.

Phase IV tests scheduled after the completion of Phase IV A are the responsibility of the integrating contractor and of necessity will require an individual test plan for each station.

1.2 DESCRIPTION

This plan includes verification of functional parameters for equipment defined as subsystems within this program. The subsystems and applicable sites are as follows:

Radar Tracking Subsystem - TTS, NHS, FGS, VTS.

200-MC Autotrack Antenna Subsystem - TTS, FGS

FM/FM Telemetry Ground Station Subsystem - TTS, NHS, FGS, VTS

Data Handling Subsystem - TTS, NHS, FGS, VTS, HTS

Control and Display Subsystem - TTS, NHS, FGS, VTS, HTS

Timing Subsystem - TTS, NHS, FGS, VTS, HTS

Communications Subsystem - TTS, FGS

Checkout Subsystem - TTS, NHS, FGS, VTS

1.3 OBJECTIVES

The tests specified in this plan will be conducted to verify and demonstrate that the subsystems, delivered under this program, meet the requirements of the applicable subsystem specifications.

1.4 TEST PHILOSOPHY

For the purpose of this plan, tests required to accomplish the objectives of this program have been categorized into Component and Equipment Testing; Subsystem Acceptance Testing; Phase III Tests; and Phase IV A Tests.

1.4.1 Component and Equipment Testing

1. Receiving Inspection. Tests of incoming components and raw material shall consist of identification of material by comparison of its properties or attributes with documented requirements as reflected in specification control drawings, purchase specifications, vendor specifications, or purchase order descriptions. Visual and mechanical tests shall be performed to assure that quality of finishes, dimensions, materials, and mechanical functions comply with documented requirements.

Electrical tests, where applicable, will be performed to assure electrical quality and characteristics comply with documented requirements.

Records will be maintained to show:

- a. Tests performed
- b. Test conditions
- c. Test results
- d. Compliance or non-compliance

- e. Disposition of tested items
- f. Test instrument calibration status
- g. Pertinent test procedures (references to WDL QA manual)
- h. Material trouble and failure reports

2. Tests of Purchased Equipment

Material shall be identified by nomenclature, model, serial number and manufacturer, and compared with documented requirements.

Visual and mechanical tests of the equipment will be performed to assure freedom from defects and shipping damage, and to determine that finishes, dimensions and materials meet requirements of the specifications against which the equipment was purchased.

Performance tests will be conducted to assure that the equipment meets the electrical and mechanical performance requirements of the specifications against which the equipment was purchased.

Environmental tests for performance under conditions of abnormal temperatures, vibration, or mechanical shock will be performed where the need for such testing is specified

Records will be maintained to show:

- a. Tests performed
- b. Test conditions
- c. Test results
- d Compliance or non-compliance

- e. Disposition of tested items
- f. Test instrument calibration status
- g. Pertinent test procedures (references to WDL QA manual)

3. Development Tests of Engineering Models

Electrical bench tests will be performed to determine whether equipment complies with the performance goals established in the equipment specifications.

Temperature tests will be performed as required to assure that the equipment will meet its performance goals under abnormal temperature conditions, especially in the case of equipment containing semi-conductor devices.

Engineering models and prototypes of final design will be submitted to vibration, shock, and other pertinent mechanical tests to assure that they will withstand shipping and operating stresses safely.

4. Fabrication Tests

Fabricated material will be inspected to prints to assure correct materials, dimensions and finishes, as well as to assure excellence of craftsmanship.

Electrical continuity tests, where applicable, will be performed to verify wiring accuracy and disclose gross defects prior to functional testing.

Functional tests at unit level, covering electrical and mechanical operation of the equipment, will be performed on each piece of equipment at unit level. Whenever possible, these tests will include criteria pertinent to acceptance tests of completed equipment. However, it is recognized that much of the unit level equipment requires support of

other equipment at the same level if the A. T. requirements are to be met and that it is more economical to apply A. T. criteria during group level tests.

Functional tests at group level will be performed on each group of mutually supporting units which is capable of normal operation without the support of other equipment.

Records will be maintained to show:

- a. Tests performed
- b. Test conditions
- c. Test results
- d. Retests, if performed
- e. List of test equipment used, with calibration dates

1.4.2 Acceptance Tests

1. Equipment Acceptance Tests

Acceptance tests to be performed on equipment as required by the acceptance test specification will be performed following successful completion of the functional tests outlined in Paragraph 1.4.1(4)

2. Subsystem Acceptance Tests

Acceptance tests performed on complete subsystems will be performed in accordance with the criteria contained in the applicable subsystem specification. In the event that subsystem acceptance tests are not completed before shipment, the remaining portions of the acceptance tests shall be completed on site prior to Phase III.

Records will be maintained to show the following:

- a. Test performed
- b. Test conditions
- c. Test results
- d. Lists of test equipment used, including calibration dates.

Copies of the subsystem acceptance test data sheets will accompany each subsystem to its destination, and other copies will be forwarded to the destination through routine channels.

1.4.3 Phase I and II Tests

Incoming inspection of items delivered to the sites will follow the procedures outlined in Paragraph 1.4.1(1). Installation Tests and inspection will be performed on site to assure correct assembly and wiring of every subsystem to be activated. Tests will include, but not be limited to, wiring continuity and mechanical tests for correctness of assembly and workmanship.

Turn-on tests will be performed to determine that the equipment is in good operating condition and not degraded by shipment, handling, and installation.

A detailed site survey is a prerequisite to Phase III. The site survey shall provide first order accuracy of the following information:

- 1. All antennas' latitude and longitude
- 2. All boresight antennas' latitude and longitude

- 3. Boresight antennas azimuth and elevation calibration from "user" antenna subsystems.
- 4. Antenna height above ground level
- "User" antenna azimuth and elevation from each applicable boresight
- 6. Obscura profiles referenced to each antenna subsystem

A local geocentric earth radius (and inclination of the local gravity vector from above the radius vector) determination shall be made as a prerequisite to Phase V testing for all tracking antenna subsystems. Accuracy requirements for this determination are second order. Results of the above survey shall be published in the Subsystem Data Book.

1.4.4 Phase III Tests

In the event that planned acceptance tests or portions thereof are not completed at the vendor's or contractor's plants, the tests shall be completed on-site during the Phase III period. These tests shall be performed during this period in addition to the tests specified in the normal Phase III procedures.

The Phase III checkout is verification of all signal and control functions of the MSAP equipment. It includes the tie-in of command and control and special equipment of other subsystems that are required to validate the characteristics of the subsystem under test. This checkout will be accomplished in accordance with Phase III procedures prepared by Philco WDL. Philco WDL is responsible for successful completion of this phase.

1.4.5 Phase IV A Tests

Phase IV A tests will consist of testing the interface of all subsystems furnished under this program. Maximum use will be made of computer diagnostic and maintenance programs. During Phase IV A the Computer Operational Program will be debugged and validated.

The end product of all tests is to insure that equipment furnished meets the specifications and that sufficient data is provided to the Air Force as evidence that subsystems purchased under the Multiple Satellite Augmentation Program have complied with the contractual design criteria and/or the subsystem specifications.

1.4.6 Compatibility Testing

Initial compatibility integration, confidence and evaluation tests of the MSAP equipment and system are to be conducted at TTS.

The selection of TTS is based upon delivery schedules and availability of trained personnel and operable equipment. The requirements for the TTS tests are based on the necessity of early completion of any development effort as related to compatibility and integration of MSAP equipment. Results from these tests will be used to minimize installation—to-operation time at succeeding stations.

1.4.7 Test Responsibility

A Philos WDL Test Supervisor will be responsible for conducting Phase III and Phase IV A Tests. He will have the authority to substitute test equipment or simulation equipment when necessary and to change test procedures or substitute new procedures with the concurrence of official witnesses. The test supervisor will be responsible for insuring that all test results are properly documented and that a "Trouble and Failure Report" (WDL Form 151) is completed for any component, equipment, or subsystem which fails or with which trouble is encountered. It shall be the responsibility of the Philos WDL Test Supervisor to provide test data results to Subsystem Engineering and other cognizant departments within WDL.

1.4.8 Test Witnesses

Subsystem acceptance tests, Phase III, and Phase IV A tests will be witnessed by the following or their alternate so designated:

- 1. Philco WDL Product Assurance Representative
- 2. Air Force QC Representative
- 3. SSOCD Representative
- 4. Aerospace Satellite Control Office Representative
- 5. Integrating Contractor Representative

The Philco WDL Product Assurance Representative will witness all tests. Other officially designated witnesses shall be notified in advance of a scheduled test. Signatures of all official witnesses (a minimum list to be furnished by AFSSD) present during the test shall constitute complete official witnessing. In addition to test witness signatures, the data sheets will be signed by the Philco WDL Test Supervisor.

SECTION 2 APPLICABLE DOCUMENTS

2.1 GENERAL

All documents listed herein are considered compliance documents except as otherwise noted. SSD Exhibit 62-153 will be used as a guide.

2.2 DESIGN CRITERIA (GUIDE)

TOR-930(2110)-2 Precision S-Band Tracking Radar Subsystem

TOR-930(2110)-3 Telemetry Subsystem

TOR-930(2110)-4 VHF Telemetry Tracking Subsystem

TOR-930(2110)-5 Control and Display Subsystem

TOR-930(2110)-6 Inter-Station Communication Subsystem

TOR-930(2110)-7 Re-issue A Checkout Subsystem

TOR-169(3110)-3 Data Subsystem

TOR-930(2110)-9 Timing Subsystem

2.3 MILITARY SPECIFICATIONS

MIL-E-4158B "Flectronic Equipment, Ground, General Requirements for" (Guide)

MIL-Q-5923C "Quality Control Requirements, General"

MIL-I-26600 "Interference Control Requirements, Aeronautical Equipment" (Guide)

MIL-Q-9858 "Quality Control System Requirements"

Bulletin No. 520 (USAF) 'Calibration and Certification of Measuring and Testing Equipment'

2.4 WDL DOCUMENTS

2.4.1 Subsystem Specifications

The following specifications, including the current amendments and revisions, are applicable:

98-2043-09 Radar Tracking Subsystem (unclassified)

98-2043-09 Appendant A, Radar Tracking Subsystem (confidential)

98-2045-09 FM/FM Telemetry Ground Station (unclassified)

98-2046-09 Data Handling Subsystem (unclassified)

98-2047-09	Timing Subsystem (unclassified)
98-2048-09	Control and Display Subsystem (unclassified)
98-2049-09	Checkout Subsystem (unclassified)
98-2050-09	Communications Subsystem NPS (unclassified)
98-2073-09	200-MC Tracking Antenna Subsystem (unclassified)
98-2079-09	Communications Subsystem TTS (unclassified)

2.4.2 Technical Reports

TR 1904 Data Subsystem Diagnostic and Maintenance Computer Programs, Multiple Satellite Augmentation Program

Computer Milestone IV (to be published)
Computer Milestone V (to be published)
Computer Milestone VI (to be published)
Computer Milestone VII (to be published)

SECTION 3 SUBSYSTEM ACCEPTANCE TESTS

3.1 GENERAL

The subsystem acceptance test will include the testing of pertinent specification parameters listed in the subsystem performance specification. A subsystem acceptance test requirement, which will be a portion of the subsystem specification, for each subsystem will be submitted to AFSSD for their approval 30 days before the scheduling of the subsystem acceptance test. The acceptance test requirements will: (1) define the parameters and give the tolerance of the specification to be tested; (2) define the test with a block diagram; (3) list the necessary test and simulation equipment; and (4) explain if necessary, how the test will accomplish the intended purpose. Detailed test procedures will be available for the purpose of conducting acceptance tests.

3.2 RADAR TRACKING SUBSYSTEM

The radar will be tested as a portion of the subsystem at the subcontractors' plant. The test will be complete except for boresight equipment tests and other tests necessitated by addition of later equipment modifications. The boresight equipment will be tested at WDL. The boresight-radar integration tests will be conducted on-site.

Tests of the radome will be mechanical in nature. No radome-radar interface tests are planned. Table 3-1 lists the subsystem acceptance test parameters to be tested and provides a cross reference between Aerospace Design Criteria, Subsystem Specification, Subsystem Acceptance Test, I & C Phase III Test Procedures, and Diagnostic Computer Programming.

3.3 200-MC AUTOTRACK ANTENNA SUBSYTEM

The 200-MC Autotrack Antenna Subsystem will be tested at the subcontractors' plant using Philco WDL-supplied boresight equipment. Table 3-2 lists the subsystem acceptance test parameters to be tested and provides a cross reference between the Aerospace Design Criteria, Subsystem Specification, Subsystem Acceptance Test, I & C Phase III Test Procedures, and Diagnostic Computer Programming.

^{*} Tables 3-1 chrough 3-7 are included in Appendix A of this report.

3.4 FM/FM TELEMETRY GROUND STATION SUBSYSTEM

Barring the emergency action of the subcontractor shipping short the Decomms, the complete subsystem acceptance tests for the FM/FM Telemetry Ground Station Subsystem will be conducted at Philo WDL. Table 3-3 lists the subsystem acceptance test parameters to be tested and provides a cross-reference between the Aerospace Design Criteria, Subsystem Specification, Subsystem Acceptance Test, I & C phase III Test Procedures, and Diagnostic Computer Programming.

3.5 DATA HANDLING SUBSYSTEM

The Data Handling Subsystem will be completely acceptance tested at Philco WDL using computing equipment and diagnostic computer routines. The computer will be tested with CDC-supplied programs before the start of the subsystem acceptance tests. The subsystem acceptance test will be conducted on the building block principal; i.e., the IOB and the computer will be interfaced, then the SOC will be interfaced to this combination, etc. The diagnostic programs will be debugged as a part of the subsystem acceptance test. The communications lines, antenna outputs, TLM inputs, etc., will be simulated. Table 3-4 lists the subsystem acceptance test parameters to be tested and provides a cross-reference between the Aerospace Design Criteria, Subsystem Specification, Subsystem Acceptance Tests, I & C Phase III Test Procedures, and Diagnostic Computer Programming.

3.6 CONTROL AND DISPLAY SUBSYSTEM

The Control and Display Subsystem will be written so that the station operators console (SOC) can be completely and independently tested as a portion of the Control and Display Subsystem at WDL. The station program board will be handled in the same manner. Because of the nature of the slave data link equipment, the subsystem acceptance test for this portion of the Control and Display Subsystem must be tested on-site. The SDL equipment consists of line balancing networks and 3-to-2 axis converters and modifications for the 60-foot T & D antennas at FGS, VTS, and NHS. The modifications to the 60-foot T & D antennas

are of such a nature that a portion of the development must be carried out on-site. This development will be accomplished at FGS since the use of the 60-foot T & D antenna there is unrestricted. The modifications to the 60-foot T & D antenna and the site wiring will be involved in the SDL portions of the C & S Subsystem Acceptance Test. Table 3-5 lists the parameters which are to be tested and provides a cross reference between the Aerospace Design Criteria, Subsystem Specification, Subsystem Acceptance Test, I & C Phase III Test Procedures, and Computer Diagnostic Programming.

3.7 TIMING SUBSYSTEM

The time display generator, time display distributors, time display units and the timing terminal units will be tested as a portion of the subsystem acceptance test at Philco WDL. The time converter unit, because it does not interface directly with the other timing equipment, will be tested as a separate portion of the subsystem acceptance test as the subcontractors' plant. No on-site subsystem tests are planned. Table 3-6 lists the acceptance test parameter to be tested and provides a cross reference between the Aerospace Design Criteria, Subsystem Specification, Subsystem Acceptance Test, I & C Phase III Test Procedures, and Computer Diagnostic Programming.

3.8 COMMUNICATIONS SUBSYSTEM

1. Intra-Station

Subsystem acceptance tests will be conducted on-site at the two applicable stations (TTS and FGS). At TTS, since two subcontractors are involved, the acceptance testing will be in two portions.

2. Inter-station

The MODEMS and auto sync units for all stations and STA which Philco WDL will provide will be acceptance tested at the subcontractors' plant.

At TTS and FGS, a Philco WDL subcontractor will install wiring from a master frame to a test facility and from the test facility to termination equipment for voice circuits. This portion of the inter-station communications will be subsystem acceptance tested with the intra-station communications.

It will be necessary in the Phase IV B integration testing that development of test procedures be effected by a team of all contractors concerned with AFSSD guidance.

Table 3-7 lists the subsystem parameters and provides a cross reference between Design Criteria, the Subsystem Acceptance Test and the Subsystem Specification. Table 3-7 applies to TTS only. Since the equipment acceptance testing at FGS will be performed by Western Electric Company no table will be supplied for FGS.

3.9 CHECKOUT SUBSYSTEM

The information on the Checkout Subsystem will be supplied after the subsystem specification is approved.

SECTION 4

PHASE III TESTS

4.1 GENERAL

Phase III tests will consist of the rerunning of selected portions of the subsystem acceptance test. Each subsystem will be re-verified in its site environment. Tables 3-1 through 3-8 show the subsystem parameters which will be re-verified for each of the applicable subsystems.

SECTION 5 PHASE IV A TESTS

5.1 GENERAL

Phase IV A tests will consist of the interfacing of individual subsystems. To verify the subsystem interface, system loop tests will be conducted which will utilize the analog and digital command systems and test the closure of the command verification loop. Telemetry reception from FM/FM, GPl, and PCM equipment and processing of tracking, commands and telemetry data will be demonstrated. Operation of the SDL and the Communications Subsystem will be verified. During Phase IV A testing the station operational computer program will be debugged and validated. Test requirements will be as specified in the system specification.

SECTION 6 ANALYSIS AND EVALUATION

6.1 GENERAL

Results of Phase III tests will consist of a copy of the Phase III test procedures and the completed data sheets. WDL Form 151 "Trouble and Failure Report" for each failure or trouble encountered will become a part of the Phase III test procedures.

6.2 FINAL TEST REPORT

A final test report will be written which will contain all Phase IV test results and evaluations. The test report will show all troubles and failures encountered. In case of deviation from the test procedures, the test procedure used shall be provided. All recordings and printouts shall be a portion of the report.

6.3 SUBSYSTEM TEST DATA BOOK

A subsystem test data book will be compiled for each subsystem. This test data book is intended for use by the station personnel in maintenance of the applicable subsystem. It will contain a history of the equipment showing all test data, wire lists and calibration and repairs. The test data book will consist of the following sections:

- A. Multiple Satellite Augmentation Program Description including Station Block Diagram.
- B. Program Specification Tree
- C. Subsystem Specification and Acceptance Test (including completed data sheets)
- D. Detailed Subsystem Equipment List
- E. Phase III Test Procedures (including completed data sheets)

- F. Phase IV Test Procedures (including completed data sheets)
- G. Equipment Acceptance Tests (including completed data sheets)
- H. Subsystem Wire List
- I. Installations Wire List
- J. Field Modification Record
- K. Subsystem Configuration Change Record
- L. Subsystem Equipment Calibration, Preventative Maintenance,
 Repair and Overhaul Schedule/Log
- M. Publications Record

A.PPENDIX A

TABLES 3-1 through 3-8
MAJOR FUNCTIONS TO BE TESTED

TABLE INTERPRETATION LEGEND FOR TABLES 3-1 through 3-8

c	
COLUMN	CONTENTS
(A)	Functional parameters of Paragraph 4 of the most
	current amendments and revisions of WDL Subsystem
	Specification WDL-9809.
(B)	Applicable paragraph numbers of acceptance tests of
	Paragraph 4 of WDL-9809,
(c)	Applicable paragraph numbers of performance require-
	ments of Paragraph 3 of WDL-9809.
(D)	Applicable paragraph numbers of Aerospace Design Guide
	TOR
(E)	Applicable MSAP major equipment required to test the
	functional parameter.
(F)	Acceptance tests to be performed at a Philco WDL or
	vendor plant are indicated by an X and/or by the
	listing of peripheral equipment. The peripheral
	equipment includes simulation test equipment, air-
	craft, other available subsystems or portions
	thereof, etc.
(G)	Acceptance tests known to be performed or completed
	on-site are indicated by an X and/or by the listing

addition to normal Phase III tests.

of peripheral equipment. These acceptance tests shall be performed during the Phase III period in

COLUMN (H)

CONTENTS

- I&C reverification tests (Phase III) to be performed on-site are indicated by an X and/or by the listing of peripheral equipment. These tests shall include the AT tests indicated in Column G.
- (I) Indicates the availability of detailed acceptance test procedures (-04). Component or subsystem specification numbers are listed (WDL-98------04 or 09). An estimated release date is given where no (-04) procedure is available.
- (J) Indicates the availability of detailed I&C Phase
 III test procedures. An estimated release date is
 given where no procedure is available.
- (K) Lists the applicable identifying number relating the diagnostic computer program available for each parameter listed in Column A.

Notes:

N/A Not Applicable

- X Test to be performed but no peripheral equipment required
- (1) Where a WDL-98-----09 procedure is indicated several components are interfaced to test the functional parameter. The applicable test procedures are included in the subsystem specification.
- (2) Due to the interface of the Control and Display Subsystem with all other subsystems the indicated tests are performed during Phase III. The required functional

A - 2

parameters to be tested, and their tolerances, are listed in the subsystem specification WDL-98-2048A-09 The detailed test procedures are listed in the Phase III procedure WDL-97-143845-01.

- (3) Engineering evaluation tests are conducted on components; therefore, no WDL-98-----04 will be written.
- (4) Interface tests are not conducted at the vendor's plant. These tests will be conducted on-site during Phase III testing to the requirements stated in the subsystem specifications.
- (5) These tests will be conducted according to the AT portion of the applicable subsystem specification, since component AT's are not required.
- (6) A WDL in-house test procedure for laboratory testing of the telemetry processor.
- (7) The FM/FM TLM Ground Station Subsystem components were procurred as off-the-shelf items and were tested to the vendor's AT. The functional parameters listed in Table 3-3 are retested at the subsystem level using the AT procedures in the subsystem specification.

TABLE 9-1 - MAJON FUNCTIONS TO BE TESTED RADAR TRACKING (PERIOSE) (NDL-98-2043-8-09)

					The second second						
MAJOR	MAJOR FUNCTIONS OF	APPLICAN	APPLICABLE PARAGRAPHS		APPLICABLE MAJOR	ACCEPIANCE TESTS	ESTS		AVAILABILITY OF DETAILED PROCEDURES	P DETAILED	COMPUTER *
SUBSYS	SUBSYSTEM SPECIFICA- TION	AT (FAR. 4) wdl- 98-20438-09	S/S (PAR, 3) WDL- 98-20438-09	TOR # 930(2110)-2 DESIGN GUIDE	SUBSYSTEM EQUIP.	VENTOR/IN-HOUSE (PERIPHERAL EQUIP-ENT)	ON-SITE (PERIPHEMAL EQUIPMENT)	PHASE 111 TESTS (PERIPHERAL EQUIP-CENT)	J 6	PHASE 111 WDL-97-143836-01	Programming (Dlathostic)
	(3)	(3)	9	Ð	(2)	(P)	(8)	(н)	(1)	(7)	(3)
÷.	OVERALL TRACKING	4.4.1.1	3.4.1.1	4/4	4/ 8	H/A	٨/٣	M/A	upr-98-2031-04 (4.5.1.1)	N/A	N/A
.; 13	SKIN TRACKING	4.4.1.1.1	3.4.1.1.1	6.5	Total Radar Tracking Subsystem (RIS)	K - 71y-by A/C		ī	wbL-98-2031-04 (4.5.1.1.1)	ı	: :
÷	MEACON TRACKING	4.4.1.1.2	3.4.1.1.2	ş. 9	Total MTS D	Demonstrated by Calculations	t		upt-98-2031-04 (4.5.1.1.2)	t	•
4	RANGE DATA	4.4.1.1.3	3.4.1.1.3	٧/٥	OA 278-A18, A23 X	X - Range Simulator		ŧ	(4.5.2.8.1.2) (4.5.2.8.1.2) (4.5.2.5.6.3)		ε
*	TRACKING THRES- HOLD LEVELS	4.4.1.2	3.4.1.2	£.5	N/A		z	£	(4.5.1.2)	*	
A E	AUTOMATIC ANGLE TRACKING	4.4.1.2.1	3.4.1.2.1	W/A	8/A	ı		t	upl-98-2031-04 (4.5.1.2.1)	•	
	7. ANGLE TRACK ACQUISITION	4.4.1.2.1.1	4.4.1.2.1.1 3.4.1.2.1.1	4.5.2	Total RIS D	X - Boresight Tower		ŧ	upl98-2031-04 (4.5.1.2.1.1)		=
e 6	ANGLE TRACK HOLD 4.4.1.2.1.2 3.4.1.2.1.2 4.5.1	4.4.1.2.1.2	3.4.1.2.1.2		Total MS	X - Borestght Tower	£	·	unt.98-1031-04 (4.5.1.2.1.2)		ı
.e	AUTOWATIC RANGE TRACKING	4.4.1.2.2	3.4.1.2.2	N/A	N/A	z.	2	z	un198-2031-04 (4.5.1.2.2)		2
.0i	RANGE TRACK ACQUISTION	4.4.1.2.2.1	4.4.1.2.2.1 3.4.1.2.2.1	4.5.4	Total RTS 3	X - Boresight Tower			upt98-2031-04 (4.5.1.2.2.1)		*
ii.	RANGE TRACK HOLD 4.4.1.2.2.2 3.4.1.2.2.2	4.4.1.2.2.2	3.4.1.2.2.2	4.5.3	Total RIS	X - Boresight Tower	ı		MDL-97 -2031-04 (4.5.1.2.2.2)	1 -	

TABLE 3-1 - MAJOR PUNCTION PROCESS

TRACKING (PREIORY)

# same	PECCRAMING (DIAGNOSTIC)	R/A	ŧ	r.	2	•	2		ŧ	1		•		
NATIABILITY OF DETAILS PROCTERORS	PHASE 111 WDL-97-143u36-01	W/A		WDL-97-143836-01	1/4	z		•	F			ŧ	t	
AVAILABILITY OF	AT UDL-98-2031-04 or UDL-96-20438-09	(1) WDL-98-2031-04 (4, 1, 1, 6, 5)	WDL-98-2031-04 (4.5.2.6.5)	WDL-98-2031-04 (4.5.2.5.3)	WDL-9b-2031-04 (4.5.L.3)	4.5.1.3.1)	WL-96-2031-04 (4.5.1.3.1)	101-98-2031-04 (4.5.1.3.1.1)	WDL-98-2031-04 (4, 5, 1, 3, 1, 2)	MDL-98-2031-04 (4.5.1.3.1.3)	NDL-98-2031-04	(4.5.1.3.2) WDL-98-2031-04 (4.5.1.3.2.1)	WL-98-2031-04 (4.5.1.3.2.2)	
	PHASE III TESTS (PERIPHERAL EQUIPMENT)	W/N		×	H/A	•		•	•	t		:	ŧ	
ST.	ON-SITE (PERIPHERAL EQUIPMENT)	8/v	ž.	:	ż		ż		•		3		:	_
ACCEPTANCE TESTS	VE:DOR/IN-HOUSE (PERIPHERAL EQUIPMENT)	N/A	K - Fly-by A/G	I - Range Simulato	N/A	•		X - Boresight Town Brush Recorder	I - Soresight Tower	Fly-by A/C X - Boresight Tower Lifting Bracket Y 24115	и/А	X - Range Simulato:	X- Boresight Tower Range Eimulator	
APPLICABLE MAJOR	Subsystem Equip.	H/A	OA 275-000 OA 274-000	OA 278-000 OA 274-000	3/4	8/A	H/A	Total RTS	Total MrS	Total RIS	H/A	Total RTS	Total MTS	
	TOR # 930(2110)-2 DESIGN GUIDE	и/А		ı.			7;	4.2.1	4.2.2	4.2.5	N/A	4.3.1	4.3.2	
APPLICABLE PARAGRAPHS	\$/\$ (PAR. 3) WDL- 98-20438-09	3.4.1.3	3.4.1.3.1	3.4.1.3.2	3.4.1.4	3.4.1.4.1	3.4.1.4.2	3.4.1.4.2.1	3.4.1.4.2.2	3.4.1.4.2.3	3.4.1.4.3	3.4.1.4.3.1	4.4.1.4.3.2 3.4.1.4.3.2 4.3.2	
APPLICAS	AT (PAR. 4) WDL- 9-20438-09	4.4.1.3	4.4.1.3.1	4.4.1.3.2	4.4.1.4	4.4.1.4.1	4.4.1.4.2	4.4.1.4.2.1	4.4.1.4.2.2 3.4.1.4.2.2	4.4.1.4.2.3 3.4.1.4.2.3	4-4-1-4-3	4.4.1.4.3.1	4.4.1.4.3.2	
HAJOR FUNCTIONS OF	SUBSYSTEM SPECIFICA. TION (A)	12. AUTOMATIC TRACKING BATES	13. AUTOMATIC ANGLE TRACKING	14. AUTOLATIC RANGE TRACKING	15. RADAR TRACKING SYSTEM ACCURACY	16. TRACKING LIAITATIONS	17. ANGULAR ACCURACY	18. MAXIMIN ANGULAR	19. SERVO LAGS	20. DEGRADATION DUE TO EXTERNALLY APPLIED TORQUE	21. RANGE ACCURACY	22. MAXIMUM RANGE ERROR	23. SERVO LAGS	

MABLE 3-1 Major Functions To Sa Tested

RADAR TRACETING (PRELORT) (WIL-98-2043-8-09)

			i									ļ
MAJOR FUNCTIONS OF	ATTO	APPLICAL	IRLE PARAGRAPHS	S	APPLICABLE HAJOR	ACCEPTANCE TESTS	t rests		AVAILABILITY OF DI	AVAILABILITY OF DETAILED PROCEDURES	COMPUTER	1
		AT WDL-	\$/8 (PAR.3) WDL-	TOR # 930-(2110)-2 pesich coine	SUBSTSTEN EQUIP.	Verdor/in-house Peripheral Equippert)	ON-SITE PERIPHERAL EQUIPPENT)	PHASE III TESTS PERIPHERAL EQUIPMENT)	AT WDL-98-2031-04 WDL-98-20438-09	PHASE 111 WDL-97-143836-01	(DIAGNOSTIC)	
ક	98-20438	98-20438-09 9	98-20438-09	(a)	(X)	(7)	(6)	(H)	co.	(3)	(x)	
24. INTERPACE	4.4.1.5		3,4,1,5		n/a	K/A		N/A	t/x	N/A	N/A	1
25. SYSTEM INPUTS		1.5.1	4.4.1.5.1 3.4.1.5.1	K/A	K/A	W/A	K/A	X/X	R/A	N/A		
26. STNCHRO ANALOG	-	1.5.1	4.4.1.5.1.13.4.1.5.1.1	W/A	Antenna Padestal CA-278	å	K/A	H/A	W/W	м/м	z	
27. IDG COOK NORD		4.4.1.5.1.3.	.4.1.5.1.2	4/R	Antenna Pedestal	H/A	Å	H/A	WDL-98-2043B-09 4.4.1.5 (See Note #4)	м/м		
28. TDE CODE WORD		1.5.1.	4.4.1.5.1.33.4.1.5.1.3	×/×	Antenna Pedestal	N/A	X-All Raders	K/A	и/и	M/A		
29. EARLE FRANCE FULSE 4.4.1.5.1.43.4.1.5.1.4	E PULSE 4.4.1	1.5.1.	3.4.1.5.1.4	×,	Antenna Pedestal	W/W	å	H/A	N/A	N/A		
30. 1000 PPS SIGNAL		1.5.1.	4.4.1.5.1.53.4.1.5.1.5	K/A	Antanna Pedestal	#/#	¥	K/A	R/A	W/W		
31. ENCODER STROBE PULSE		1.5.1.	4.4.1.5.1.63.4.1.5.1.6	N/A AB	Antanna Pedestal	E/A	X-All Raders	W/A	R/A	H/A		
32. TECHNICAL POWER		1.5.1.	4.4.1.5.1. 3.4.1.5.1.7	K/A	NG 2478	٧/١	×	H/A	N/A	м/м		
33. UTLLTT POSER		1.5.1.	4.4.1.5.1.83.4.1.5.1.8	N/A	RU 656	W/W	×	R/A	N/A	K/A		
34. TRACKING STATUS	_	1.3.1.5	4.4.1.5.1.93.4.1.5.1.9	K/A	OA 278	N/A	K - Radar #1 only	N/A	N/A	N/A		
35. AKAZOG CORDANDS		1.5.1	4.4.1.5.1- 3.4.1.5.1.10	4/4	OR 278	W/A	M/A	M/A	WDL-98-2031-04	ш/л		
36. DIGITAL COMMUNS		9777	3.4.1.5.1.11	H/A	GA 278	N/A	и/А	м/А	1031-04 4.5.1.5)	K/A		
	_	•										ı
37. NETER OUTFORS		4.4.1.5.2	3.4.1.5.2	N/A	K/A	N/A	H/A	N/A	K/A	R/A	1	
38. STHCHEO AMALOG		4.4.1.5.2.	3.4.1.5.2.1	\$.1.\$	Antenna Padestal OA 278	ķ	N/A	K/A	WDL-98~2031-04	#/¥		
39. DIGITAL DATA		1.5.2.	4.4.1.5.2.23.4.1.5.2.2	5.1.7	Antenna Pedestal OA 278	¥	M/A	n/A	WDL-98-2031-04 (4.5.1.4.2.1) (4.5.1.4.2.2)	#/#	ı	

ABLE 3-1 - NAJOR FUNCTIONS TO BE TESTED

RADAR TRACKING (PRELORY)

•
8
7
- 2
÷
•
-8
7
•
œ.
គ
-

	COMPUTER *	PROGRAPHING (DLACROSTIC)	3	N/A		ŧ		ī	•	=	=	•				*		
		PIASE 111 WDL-97-143036-01	ક	N/A							:							
	WILMSTLITY OF DETAILED PROCEDURES		(1)			-	.	. 60-38-504 77 7 1 5 3)	7		HDI98-2145-04 HDI98-2145-04	#/A			WDL-98-2031-04 (4.5.2.1.1)	45.2.1.1.1)	wn98-2031-04 (4.5.2.1.1.2)	(4,5,2,1,1,1,2,4)
	AVI ILA			WD1,-98	Z = (S)	#//#	B/A	WDL-98-2043	(Soe X		86-10H	ļ 			WDL-98 (4.5.	401.98 (4.5.	40L-38 (4.5.	WDL-98 (4.5.
		PIASE IXI TESTS (PERIPHERAL EQUIPHENT)	Ci	R/A	•	•		•		*	•	Slotted Line HP-805A VSWR Mater HP-415B Navecuide to Type M	PRD-365 (2 e4.)	¥/¥		,		
450-6-5	12	ON-SITE (PERIPHERAL EQUIPMENT)	(0)	K - Radar #1 only	X - Radar #1 only	,			N/A	:	401.98-2145-04 401.98-2144-04	N/A				•		
(C. S. C.	ACCEPTANCE TESTS	VENDOR/IN-HOUSE (PERIPHERAL EQUIP- MENT)	3	N/A					See Appendix A	See Appendix A	V /R				X.See Radiatronics A.T. Rev B	X-See Radiatronics A.T. Ray B	X-See Radiatronics	X-See Radiatronics A-T. Rav S
	APPLICABLE MAJOR	SUBSYSTEM EQUIP.	(X)	OA 278	OA 278	OA 278	OA 278	Antenna Pedestal OA 278	Antenna Pedestal OA 278	Antenna Pedestal	N/A	B/A	N/A	M/A	Antenna Pedestal	Antenna Padestal	Antenna Pedestal	Ancoma Pedestal
	HS HS	TOR 0 930(2110)-2 DESIGN GVIDE	6	к/А					:		ı	5.2	:	3.2.1	5.2.4	5.2.4	3.2.4	3.2.2
	APPLICABLE PARACRAPHS	S/S (PAR. 3) WDL-	(5)	3.4.1.5.2.3	3.4.1.5.2.4	3.4.1.5.2.5	3.4.1.5.2.6	3.4.1.5.2.7	3.4.1.5.2.8	5.4.1.5.2.9	K/A		,	3.4.2.1.1	4.4.2.1.1.1 3.4.2.1.1.1	4.4.2.1.1.2 3.4.2.1.1.2	4.4.2.1.1.3 3.4.2.1.1.3	4-4-2,1-1,4 3,4-2,1-1,4
	APPLICA	(PAR. 4)	(B)	4.4.1.5.2.3 3.4.1.5.2.3	4.4.1.5.2.4 3.4.1.5.2.4	4.4.1.5.2.5 3.4.1.5.2.5	4.4.1.5.2.6 3.4.1.5.2.6	4.4.1.5.2.7 3.4.1.5.2.7	4.4.1.5.2.8 3.4.1.5.2.8 (4.4.2.4)	4.4.1.3.2.9	4.4.1.6	4.4.2	4.4.2.1	4.4.2.1.1	4.4.2.1.1.1	4-4.2.1.1.2	4.4.2.1.1.3	4.4.2.3.3.4
	MJOR FUNCTIONS OF	SUBSYSTEM SPECIFICATION	3	RADAR STATUS	RADAR STATUS	PASSIVE TRACK	QUALITY, BIT FUNCTION	RP SIGNAL	DIGITAL SYNC	DETECTED COMMANDS 4.4.1.5.2.9 5.4.1.5.2.9 (4.4.2.4)	47, RADONE & RADONE REATING	SUB SYSTEM PREFORMANCE	EP SUBSYSTEM	SO. ASTERNA	SI. ANTERNA CAIM	S2. BEAN WIDTE	53. SIDE LOBES	54. POLARIZATION
	MA JOS	Subs	į	3.	4.	42.	.04	i	. 5	ęę.	47.	eğ.	.64	જ	31.	8	S.	ź

TABLE 3-1 - MAJOR FUNCTIONS TO BE TESTED

RADAR TRACKING (PRELORT)
(4DL-98-2043-8-09)

1	AT 108 PINCTITIONS OF	100	100 00 00 00 00 00 00 00 00 00 00 00 00			ACCEPTANCE TESTS	15575		AVAILABILITY OF	ANAILABILITY OF DETAILED PROCEDURES	S COMPUTER *
Sus	NOL	AT (PAR. 4) WDL- WDL- 98-204 18-09	5/8 (PAR. 3) 40L- 88-20438-09 (C)	TOR # 5(2110)-2 51GN GUIDE (D)	SUBSYSTEM EQUIP.	VENDOR/IN-HOUSE (PERIPHERAL EQUIPPENT) (F)	ON-SITE (PERIPIERAL EQUIPAENT) (C)	PIASE III TESTS (INC. PERIPHERAL EQUIPALIT) (H)	WDL-98-2031-04 OR UDL-98-20438-09	70-36.01 10-37-14.3836-01 (U)	PROCEAUPHING (DIACNOSTIC) (K)
*	CROSSOVER	4.4.2.1.1.5	4.4.2.1.1.5 3.4.2.1.1.5	5.2.3	Antenna Pedestal	X- See Radiatronics	N/A	B/A	VDL-93-2031-04 (4.5.2.1.1.4)	11/4	H/A
	SCANNING BATE	4.4.2.1.1.6	4.4.2.1.1.6 3.4.2.1.1.6	B/A	Antenna Pedestal X-Counter 7360	X-Counter 7360		×		10-9887-16-171	•
	TRANSMISSION LINE	4.4.2.1.2	3.4.2.1.2	:	B/A	k/A		M/A	H/A	к/А	
ģ	RECEIVING LOSSES	4.4.2.1.2.1	3.4.2.1.2.1	5.2.5	Trans. Line	X - FXR771B, S164A, PRD 365 HP 415A		×	4.5.2.1.2)	WDL-97-143836-02	
	TRANSMITT ING LOSSES	4.4.2.1.2.2	4.4.2.1.2.2 3.4.2.1.2.2	5.2.6	R - Line			×	WDL-98-2031-04 (4.5.2.1.2,3)	VDL-97-143836-01	•
8	60. T-R TUBE	4.4.2.1.2.3	3 3.4.2.1.2.3	H/A	N/A	W/A		K/A	No Procedure	₹ . N	•
61.	OPERATION PROTECTION	4.4.2.1.2.	3.4.2.1.2	5.2.7	N/A				No Procedure	5	ı
62.	non-operation Protection	4.4.2.1.2-	3.4.2.1.2	1/4	Tetal RTS	M/K			4/1	s	
63	POWER CAPABILITY	4.4.2.1.2.4	3.4.2.1.2.4	5.2.8	Not defined		X - One wegavatt				•
i	64. WAVENETER	4.4.2.1.3	3,4.2.1.3	8/A	Not defined	ı *	M/A	•	WDL-98-2031-04 (4.5.2.1.5		
3,	RECEIVING SUB- SYSTEM	4.4.2.2	3,4,2,2	*;	E/A	¥/R		Dusmy Load HPS914A Moise Generator HPC347A			•
99	66. FRZQUESCY	4.4.2.2.1	3.4.2.2.1	5.4.1	O# 278	X - 87-6162		Moiss Mater EP-340B	UDL-98-2031-04 (4.3.2.2.1)	NDC-97-143836-01	
67.	HOISE FIGURE	4.4.2.2.2	3.4.2.2.2	5.4.2	04 273	X - Atl 30, 74,07048 Mards 306			4DL-98-2031-04 (4.5.2.2.2)	4DC-97-143836-01	•
ş	68. MINIMA DISCRIM- ABLE SIGNAL	4.4.2.3	3.4.2.2.3	N/N	04 278	1 - 12 6168			VDL-95-2031-04 (4.5.2.2.3)	kD£-97-143836-01	

TABLE 3-1 - MANOR POSITIONS TO SE TESTED OF AMORETRACE (PESTIONT)

∥ *	TO SHOT THE BUT TO	A WWW. I CAN	APPLICANT PARACRAPHS		APPLICABLE	STSII ESKLANDA	12.513		AVAICABILIT	AVAILABILITY OF DETAILED	the desired
•					MA_TOR.				PROCEDURES	111 00 000	CONTRACTOR
	SUBSTSTEM SPECIFICATION	(PAR. 4)	8/8 (PAR. 3)	708 ¢ 930(2110)-2	SUBSTSTEM EQUIP.	VEXDOR/IN-HOUSE (PER IPHERAL	ON-SITE (PERIPHERAL ROUIDMENT)	(PERIPHERAL BOUIFPERT)	MDL-98-2031-04	MDL-97-143836-01	PROGRAU ELING (DIAGNOSTIC)
	3	8-20438-09 (8)	08-20438-09 (C)	(c)	8	3	(9)	(H)	WDL-98-20438-09 (1)	3	(K)
ŝ	CLIVIER	4.4.2.2.4	3.472:222	R/A	M/A	N/A	R/A	N/A	N/A	#/R	N/A
ő	MIDPASS	4.4.2.2.4.1	4.4.2.2.4.1 3.4.2.2.4.1		OA 278	X - 10 5158		•	(4.5.2.2.4.1)		
ή.	7.75	4.4.2.2.4.2	4.4.2.2.4.2 3.4.2.2.4.2	:	Q4 278	X - EP 6168	:	•	N/A	ı	•
72.	INSERTION LOSS	4.4.2.2.4.3 3.4.2.2.4.3	3.4.2.2.4.3		OA. 278	x - nr 6168	*	•	UDL-98-2031-04 (4.5.2.2.4.2)	•	£
ų	IMAGE REJECT	No Procedum 3.4.2.2.5	3.4.2.2.5	*	8/A	H		•	WDL-98-2031-04 (4.5.2.2.5)	•	E.
	LOCAL	4.4.2.2.6	3.4.2.2.6		K/A	٧/٣	ı		WDL-98-2031-04 (4.5.2.2.6)		ŧ
75.	TUNING RANGE	4.4.2.2.6.1	4,4.2.2.6.1 3.4.2.2.6.1	•	04. 278	i H		*	WDL-98-2031-04 (4.5.2.2.6.1)	ML-97-143836- 01	ı
%	BALANCED CRYSTAL 4.4.2.2.7	4.4.2.2.7	3.4.2.2.7	٤	87.2 7.8	X - HP 6168		4 /#	WDL-98-2031-04 (4.5.2.2.2 4.5.2.2.4.2)	4/1	•
tt.	77. AUTOMATIC FREQ. 4.4.2.2.8 queser costrol.	4.4.2.2.8	3.4.2.2.8	ı	OA 278	X - EP 616B		H	WDL98-2031-04 (4.5.2.2.8)	IDC-97-143836-01	
78.	BEACON APC	4.4.2.2.8.1	4.4.2.2.8.1 3.4.2.2.8.1	5.4.4	04. 278	K/A		W/W	K/A	* /*	
ķ	HANTAL OPERATION	4.4.2.2.	8 3.4.2.2.8 1.1	5.4.4	H/A	x - 27 6163		×	HDL-98-2031-04 (4.5.2.2.8.1)	LDL-97-143836-01	ŧ
89	80. RADAR APC	4.4.2.2.8.2	4.4.2.2.8.2 3.4.2.2.8.2	5.4.4	Ok 278	i.	2	×	UDL-98-2031-04 (4.5.2.2.8.2)	mi-97-143836-01	=
.;	IF ASPLIFIE	4.4.2.2.9	3.4.2.2.9	R/A	#/#	4/8		K/A	*	x/x	•
95.	WINESPARE IN	4.4.2.2.9.1	4.4.2.2.9.1 3.4.2.2.9.1	:	97.2 7.8	X - Regves TD 11060		:	WD198-2031-04 (4.5.2.2.9.2.1)		t
.		4.4.2.2.9.2	4.4.2.2.9.2 3.4.2.2.9.2		0.4 278	X - Reeves 70 11060			WDL-98-2031-04 (4.5.1.1.9.1.2)		
ž	AUTOHATIC GAIN	4.4.2.2.93	4.4.2.2.93 3.4.2.2.9.3	5.4.3	87.2 40	X - RP 6168	•		unt98-2031-04	•	

TARE 3-1 - MAJOR TURCTIONS TO BE TESTED WINSTEIN | MANA TRACTION (PRIORY) (MDI-99-10A)-8-09)

COUPUTER * PROGRAMMING (DIAGNOSTIC) ***** AVAILABILITY OF DETAILED PROCEDURES PHASE 111 NDL-97-143836-01 DL-87-143836-01 OL-97-143836-01 L-97-143836-01 -97-143836-01 3L-97-143836-01 ¥/¥ 4/8 \$ 1 \$ AT WDL-98-2031-04 WDL-98-20433-09 (1) upl-98-2031-04 (4.5.2.2.11) WDL-98-2031-04 (4.5.2.3.1) 401-98-2031-04 (4.5.2.3.2) WDL-98-2031-04 (4.5.2.3.3) WDL-98-2031-04 (4.5.2.3) 1071-98-2031-04 Amend A (c) (4, 5, 2, 4) 1001-98-2031-04 (4, 5, 2, 5) WDL-98-2031-04 (4.5.2.3.3) 401-98-2031-04 (4.5.2.3.3.1) .mL-98-2031-04 (4.5.2.3.4) (4. 5. 2. 3. 5) VDL-98-2031-04 (4. 5. 2. 3. 7) WL-98-2031-04 (4. 5. 2. 5. 1) PHASE III TESTS (PERIPHERAL EQUIPERT) Power Meter HP-434A Decilloscope Tektronix 545a \$ × Œ ON-SITE (PERIPHERAL EQUIPHENT) 3 * ACCEPTANCE TESTS VENDOR/IN-HOUSE (PERIPHERAL EQUIPHERY) es Appendix A A albamqua es - TD 10924 K - HP 6168 - Tek-455 - Tek-455 - TS 125 Ę PPLICABLE MAJOR BSYSTEM EQUIP. Transmitting System Transmitting System Transmitting System Transmitting System Transmitting System OA 275 4,¥ ٧/ 785. 108. 4 ps. 2 5.5.8 APPLICABLE PARAGRAPHS 3 Ž, 5/8 (PAR. 3) 93C UDL UDL DE 08-20438-09 C 3.4.2.3.3.1 3.4.2.3.3.2 3.4.2.2.10 4.4.2.4 3.4.2.4 Amend A (c) Amend A (c) 3.4.2.3.5 3.4.2.3.6 3.4.2.3.1 3.6.2.3.2 3.4.2.3.3 3.4.2.5.1 3.4.2.5 AT (PAR. 4)
UDLBS-20438-09 4.4.2.2.10 4.4.2.3.2 4.4.2.3.5 4-4-2.5.1 4.4.2.3 4.4.2.5 RANCING SUBSTSTEM ALTO TUTTO TALSE SUBSYSTEM SPECIFICA-TION MASTER TIMING OSCILLATOR HAJOR FUNCTIONS OF TRANSMITT INC SUBSYSTEM BEACON DELAY HIGH VOLTACK POWER SUPPLY PULSE WIDTH HULTIPULSE CAPABILITY DUTT RATIO PEAK POWER CONFAMD SU BSYSTEM PREQUENCY RISE TIME 3 Š. 91. 8 88 ô. 92. 3 **%** 96 \$

TABLE 3-1 MAJOR PURCTIONS TO BE TESTED	PADAR TRACKING (PRELORT)	100 4 400 40
	FURSTSTEA	

P. P. P. C.	MAJOR FUNCTIONS OF	APPLICA	CABLE PARACEAPUS	us.	APPLICABLE	ACCEPTANCE TESTS	£.		AVAILABILITY OF DETAILED , ROCEDURES	TAILED , ROCEDURES	COMPUTER
N N N	SPECIFICATION (A)	AT (PAE, 4) WDL- WDL- 98-20438-09 (3)	AT S/S (PAR. 4) (PAR. 3) 9 98-20438-09 06 (R) (C) (C)	TOR 9 930(2110)-2 DESIGN GUIDE (D)	MAJOR Subsystem Equip. (7)	VENDOR/ IN-HOUSE (PERIPHERAL EQUIP: CENT) (F)	ON-SITE PERIPHERAL EQUIPHENT) (G)	Phase III tests (Peripheral Equip:@ni) (H)	AT WDL-98-2031-04 or WDL-98-20438-09 (1)	PHASE 111 WDL-97-143836-01 (1)	PROGRANMING (DIAGNOSTIC) (K)
98.	98. CRYSTALS	4,4,2,5,1,1 3,4,2,5,1,1	3.4.2.5.1.1	к/А	OA 278	X - TD 11161, Reeves	и/А	N/A	unt-98-2031-04 (4.5.2.5.1.1)	N/A	N/A
	99. OVENS	4.6.2, 5.1.2, 2.4.2, 5.1.2	24.25.22		OA 278	X -Leeves, TD 11159		:	NDL-98-2031-04 (4.5.2.5.1.2)	:	r
100	100. FREQUENCY RANGE4.4.2.5.1.3 3.4.2.5.1.3	4.4.2.3.1.3	3.4.2.5.1.3		OA 278	X - Counter - 7360	2		WDL-98-2031-04 (4.5.2.5.1.3	WL-97-143836-01	3
101	FULSE REPETI-	4.4.2.5.2	3,4,2,5,2	5.5.1	OA 278	X - Counter - 7360	*	×	WDL-98-2031-04 (4.5.2.5.2)	WL-97-143836-01	ŧ
102,	AUTOWATIC PRF SWITCHING	4.4.2.5.3	3.4.2.5.3	5.5.1	OA 278	X - 16k - 565		н	unt-98-2031-04 (4.5.2.5.2.1.1)	LDL-97-143836-01	
103.	AUTOWATIC	4.4.2.5.4	3,4,2,5,4	, , , , , , , , , , , , , , , , , , ,	OA 278	X - HP 6168, TEX 545	ı	н	WDL-98-2031-04 (4.5.2.5.3.2)	VDL-97-143836-91	
104.	HODES OF OPERATION	4.4.2.3.5	3,4,2,5,5	16.5	4/4	*		W/A	4 /k	K/A	: :
105.	AUTOMATIC	4.4.2.5.5.1 3.4.2.5.5.1	3,4,2,5,5,1	N/R	w/w						
106.	106. TRACKING RATES 4.4,2,5,5,- 3.4,2,5,5,1,	4.4.2.5.5.	3.4.2.5.5.1.1		OA 278	I - Lange Simulator	*	×	WDL-98-2031-04 (4.5.2.5.3)	FDL-97-143836-01	•
107.	107. EANDE MENORY 4,4,2,5,5,- 3,4,2,5,5,1,	4.4.2.5.5	3,4.2,5,5,1,2		OA 278	X - Range Sisulator		×	451-96-2031-04 (4.5.2.5.3.3)	WDL-97-143836-01	
108	108. MANUAL OPERA- TION	4.4.2.5.5.2	442552 342552		۳/۳	4	2	4/4	7/1	٧/٣	• •
109.	109. SLÉWING RATE	44.2.5.5-	44.2.5.3- 3.4.2.5.5.2.3	5.5.5	872 40				101-98-2031-04 (4.5.2.5.4.1.1.2		
110.	110. ADED TRACKING 44,2.5.5 3.4.2.5.5.2.	4.4.2.5.5.	34.25.5.23	5.5.3	872 40	i H_			101-98-2031-04 (4. 5. 2. 5. 4. 2)		
111	111, SHOOTSING	442.56	34.2.5.6	4/X	04. 278.	н	I - Hr 6162 6 - Ch. Recorder	HOTE: All Radars	*		•

TABLE 3-1 - MAJOR PUNCTIONS TO BE TESTED
RANA TRACKING (PRELOFT)

COMPUTER .	PROGRAPHING (DIACNUSTIC)		N/A	t	ı	‡ ;	•	•-						•	
Availability of Detailed Procedures	PHASE 111 WDL-97-143836-01	3	У/И	ı	ı		2		WDL-97-143836- 01	W/W	W/W			MDL-97-143536- 01	4
Availability of I	AT WDL-98-2031-04 CT WDL-98-20438-09	ωl	N/A		#DL-38-2031-04 (4.5.1.2.2.2)	WDL-98-2031-04 (4.5.2.9.2)	WDL-98-2031-04 (4.5.2.8.1.2)	¥/#	VDL-18-2031-04	и/и	H/A	WDL-98-2031-04 (4.5.2.6.1.1.2 4.5.1.3.1.2)	401-18-2031-04	WDL-98-2031-0: (4.5.2.6.1.3)	NDL-98-2031-04 (4. 5. 2. 6. 2)
	PHASE III TESTS (PERIPHERAL EQUIPMENT)	3	4 /K	NOTE: To be tested leter	и/а	ŧ	I		×	#/ #				×	4/ #
ACCEPTANCE TESTS	ON-SITE (PERIPHERAL EQUIPHERAL	9	N/A	.		ž.		•			:	ŧ			*
,	VENDOR/IN-ROUSE (PERIPHERAL EQUIPMENT)	(7)	H/A	•	x - NP 6165, fange Stouletor, Tove	X - Synchro test Fixture (SK1929 + SK19294)	X - HP 6168	W/W		- H	; **	; M	Not clearly covered		, H
APPLICABLE HAJOR	SUBSYSTEM EQUIP.	Œ	8/8	9, 278	OA 278	OA 278	OA 278	#/v	K/A	OA 278	04 278	OA 278	Not - Defined	Antenna Pedestal OA 178	Antenna Pedestal X - OA 278
RAPHS	TOR # 930(2110)-2 DESIGN GUIDE	ə	и/и	5.5.6	5.5.6	5.5.4	5.5.1	ī	\$.1.2	W/A	2				
APPLICABLE PARAGRAPHS	(PAR, 4) (PAR, 3) 98-20438-09 98-20438-09 08-	9	3.4.2.5.7	3.4.2.5.7.1	3.4.2.5.7.2	3.4.2.5.8	3.4.2.5.9	3,4,2,6	3.4.2.6.1	1.1 5.4.2.6.1.1	1.2 3.4.2.6.1.2	4,4,2,6,1,- 3,4,2,6,1,2,1	3.4.2.6.1.2.	1 3.4.2.6.1.2.3	3.4.2.6.2
APP	AT (PAR, 4) WDL- 98-20438-09 5	ŝ	4.4.1.5.7	4.4.3.5.7.1 (later date)	4.4.2.5.7.2 3.4.2.5.7.2	•	4.4.2.5.9	4.4.2.6	4.4.2.6.1 3.4.2.6.1	4.4.2.6.1.1	4.4.2.6.1.2	4.4.2.6.1	2.2	4.4.2.6.1	2
HAJOR FUNCTIONS OF	SOBSTSTEN SPECIFICATION	(A)	112. RANGE CATE	113. WIDE BANGE GAIE 4.4.3.5.7.1 3.4.2.5.7.1 (1ater date)	NARROW RANGE GATE	115. REHOTE SLAVING 4.4.2.5.	116. RANGE LIMITS	ANTERNA POSITIONING SUBSTSTEN	118. AMTERIA MOVE- MENT	119. AZIMITE	120 KLEVATION	121. TRACKING	122. BORESICHTING	123. WELDCITY LINITING	124. SZKVO OPERATION 4.4.2.6.
¥	ឱ៩	ļ	112.	113.	114.	115.	116.	117.	118.	119.	120	121	122.	123.	124.

LABLE 2-1 - MAJOR POSCTIONS TO BE TESTED
RABA TRACKING (FRESCR)
(RDL-98-2043-8-09)

KA.TOR	MAJOR FUNCTIONS OF	APPLICA	APPLICABLE PARAGRAPHS		APPLICABLE MAJOR	ACCEPTANCE TESTS	TESTS		AVAILABILITY OF DITAILE	AVAILABILITY OF DUTAILED PROCEDURES	COMPUTER *
SUBSYS	SUBSYSTEN SPECIFICATION	AT (PAR. 4) WDL-98- 20438-09	S/S (PAR. 3) NDL-98- 20438-09	10R ₽ 930(2110) - 2 DESIGN GUIDE	Subsystem Route.	VENDOR/ IN-HOUSE (PERIPHERAL EQUIP- (HENT)	ON-SITE (Peripheral Rouip- Kent)	PHASE III IESTS (PERIPHERAL EQUIP- MENT)	AT UDL-98 2031-04 OR WDL-98-2043-09	PHASE 111 WDL 97 143836-01	PROGRAMING (Diagnostic)
	3	E	9	6)	(E)	(7)	(6)	CID	Œ	3	(K)
133	MODES OF OPERATION	4.4.2.6.2.1	<u>-i</u>	5.1.1	Antenna Pedestal OA 278	. ×	B/A	N/A	UDL 98-2031-04 (4.5.2.6.2.1)	V/R	4 /2
126.	MODE COMBINATIONS 4.4.2.6.2.2	4.4.2.6.2.2	3.4.2.6.2.2	٧/ x	Antenna Pedestal	. *			MDL-95 2031.04 (4.5.2.6.2.1.1)		· .
127.	REMOTE SLAVING	4.4.2.6.2.3	3.4.2.6.2.3		R/A	W/A			B/A		2
128.	RD-00TE	4.4.2.6.2	3.1		Antenna Podestal	Z - 1-to-1 syncro control trans- former SI19295 + SK19294	*	z	(4.5.2.9.2.2 4.5.2.6.2.1.4)		e e
ž.	129. SLAVING ACCURACY	4.4.2.6.2-	3.4.2.6.2.3.2	r	Antenna Podestal OA 278				4/k		ż
130.	ANTENNA POSI- TIONING RATES	4.4.2.5.3	3.4.2.6.3		M/A	M/A	ŧ	t		ž.	ı
131.	AUTONATIC	4.4.2.6.3.1	3.4.2.6.3.1	:	Total RIS	X - Fly-by A/C 2 ch. Recorder	£	•	(4.5.1.6.5)	*	r
132.	HANUAL	4.4.2.6.3.2	3.4.2.6.3.2		Total RTS	H/A	1 - 2 channel record- er (Radar #1 & 2 only)	t	X/		
8	SMOOTH DAG	4.4.2.6.4	3.4.2.6.4	5.1.3	Total RTS	K - F1y-by A/C	N/A		WDL-98 2031-04 (4.5.3.6.3.1)	:	
4	SECANT CORRECTION	4.4.2.6.5	3.4.2.6.5	4/8	Total RTS		t	r	WL. 98-2031-04 (4.5.2.6.4)		
135.	OPERATIONAL Modes	4.4.2.6.6	3.4.2.6.6	6.6	Total RTS	,	8		401,-98-2031-04 (4.5.2.8.6.2.1.1)	•	z
136.	FUNCTION AND EVENT RECORDING SUBSTSTEM	4.4.2.7	3.4.2.7	И/А	N/A	H/A	ı	Tolse Generator Ny 2124	H/A	•	•
137.	137. SIX CHARKEL RECORDER	4.4.2.7.1	3.4.2.7.1	3.8.1	Aux Illary Console	, *	:	Ħ	WDL-98-2031-04 (4.5.2.7.3)	401-97-143836-01	r

TABLE 3-1 - MAJOR FUNCTIONS TO BE INSTED

RADAR TRACKING (PRELIGET) (WDL-98-2043-8-09)

a Linear	MAJOR FUNCTIONS OF	MAN	APPLICABLE PARAGRAPHS		APPLICABLE HAJOR	ACCEPTANCE TESTS	E TESTS		AVAILABILITY OF D	AVAILABILITY OF DITALLED PROCEDURES	COMPUTER *
SUBSYSTE	SUBSYSTEM SPECIFICATION	ION AT (P. WDL- N. WDL-	S/S AR. 3) OL.	10R # 930(2110)-2	SUBSYSTEM EQUIPM	VENDOR/IN-BOUSE (PERIPHERAL EQUIPHENT)	ON-SITE (PER IPHERAL EQUIPPENT)	PHASE III TESIS (PURIPHERAL ROUIPMENT)	AT KDL-98-2031-04	PHASE III WDL-97-143836-01	Programme (Diagnostic)
ļ	3	98-20433-05	98-20438-09	6	(2)	(F)	(0)	(H)	WDL-98-2043B-09	5	8
138. CRART SPZED		4.4.2.7.1.1	3.4.2.7.1.1	N/A	Auxiliary Console	Supplied at later date	N/A	H/A	WDL-98-2031-04 (4.5.2.7.1)	R/A	R/A
139. FRE	Frequency Response	4.4.2.7.1.2	3.4.2.7.1.2	W/W	Auxiliary Cossole	X - Reeves TD 19023 6 & 130 ch. recorder	W/W		WDL-98-2031-04 (4.5.2.7.2)	ŧ	ı
140. CRA	Crannel Ass ignments	4.4.2.7.1.3	3.4.2.7.1.5		Auxiliary Console		,	1 H	unt-98-2031-04 (4.5.2.7.3)	W1-97-143836-01	
141, 100 REC	100 CHANNEL RECORDER	4.4.2.7.2	3.4.2.7.2	5.8.2	Auxiliary Console X			4/ *	WDL-96-2031-04 (4.5.2.7.4)		
142. CEA	CHART SPEED	4.4.2.7.2.1	326:217:2111 Later Date	W/A	Auxiliary Console	Auxiliary Consols To be supplied at a later date.		*	WDL-98-2031-04 (4.5.2.7.1)	M/A	
143. FRE RES	Frequency Response	4.4.2.7.2.2	326:2:7:2:2		Auxiliary Consold X - Reeves TD 10923	X - Reeves TD 10923		•	WDL-98-2031-04 (4.5.2.7.2)		•
144. FUN	FUNCTIONS TO BE RECORDED	4.4.2.7.2.3	3.4.2.7.2.3		Auxiliary Console X	i H		, H	WDL-98-2031-04 (4.5.2.7.4)	4DL-97-143836-01	3
145. DAT	DATA TRANSMIS- SION SUBSYSTEM	4.4.2.8	3.4.2.8			2		N/A	K/A	K/A	
146. DIG	DICITAL DATA	4.4.2.8.1	3.4.2.8.1								
147. ANG	r	4.4.2.8.1.1	3.4.2.8.1.1	•	Antenna Pedescal	I - Test Fixture	:	ı H	WDL-98-2031-04	/DL-97-143836-01	
148. LIN	LINEARITY	4.4.2.8.1	3.4.2.8.1.1.	:	Antenna Pedestal	X - Test Fixture XA-20057			(4.5.2.8.1.1) WDL-98-2031-04 (4.5.2.8.1.1.1)	.DL.97-143836-01	•
149. EAS	RANGE SHAFT ENCODER	4.4.2.8.1.2	3.4.2.8.1.2		Antenna Pedestal OA 278	X - AZ, Zi, BG Gray Code Display Unit	ŧ	ı H	WDL-98-2031-04 (4,5,2,8,1,2)	·nL.97-143876-01	
150. LDEARITY	EARITT	4.4.2.8.1	3.4.2.3.1.2.1		Antenna Pedastal X	: H	2	·	WIL-98-2031-04 (4.5.2.8.1.2.1)	VD[~97=143836-01	

TABLE 3-1 - MAJOR FUNCTIONS TO ME TESTED

TOTAL AND THE TOTAL TOTAL TOTAL TOTAL

RADAR TRACKING (PERIORT)
(WDL-98-2043-B-09)

						(ADE-)	(WDL-98-2043-8-09)				
MAJOR	MAJOR FUNCTIONS OF	WPL.)	APPLICABLE PARACRAPHS	五	APPLICABLE HAJOR	ACCEPTANCE TESTS	trests		AVAILABILITY OF D	AVAILABILITY OF DETAILED PROCEDURES	COMPUTER *
SUBSY	Subsystem specification	AT (PAR. 4) FOL-	8/8 (PAR. 3) WDL-	108 # 930(2110)-2 DESIGN GUIDE	SUBSYSTEM EQUIP.	FENDOR/IN-HOUSE (PERIPHERAL EQUIPHENT)	ON-SITE (PERIPHERAL EQUIPMENT)	PHASE III TESTS (PERIPHERAL EQUIPHERT)	ADL-98-2031-04	PL-97-143836-01	PROGRAPHING (DIAGNOSTIC)
	3	98-20438-09 (B)	98-20438-09	(a)	(2)	æ	(9)	(H)	WDL-98-20438-09 (T)	(3)	α)
151.	151. ANALOG DATA	4.4.2.8.2	3.4.2.8.2	N/A	H/A	8/4	A/K	M/A	WDL-98-2031-04 (4.5.2.8.3)	A/8	и/д
132.	152. STNCHRO EXCITATION4.4.2.8.2.1	14.4.2.8.2.1	3.4.2.8.2.1		Synchro reference X power supply		t	r	WDL-98-2031-04 (4.5.1.4.4.1)	r.	z
123.	153. RANGE STHCHRO	4.4.2.8.2.2	3.4.2.8.2.2		и/а	E	T		¥/¥		ı
ż	154. REPRESENTATION	4.4.2.8.2	3.4.2.8.2.2.1	ı	OA 278	H	ŧ		WDL-98-2031-04 (4.5.2.8.3.1.1)		
155.	155. ACCURACY	4.4.2.8.2	3.4.2.8.2.2.2		04 278	Ä	t	ı	VDL-98-2031-04 (4.5.2.8.3.1.1)	2	τ
156.	ELEVATION SYNCHMO 4.4.2.8.2.3	4.4.2.8.2.3	3.4.2.8.2.3		N/A		•		V/N		r
157.	157. REPRESENTATION	4.4.2.8.2 3 3.1	3.4.7.8.2.3.1		Antenna Pedescut X - Synchro bridge OA 278	X - Synchro bridge	=	E	WDL-98-2031-04 (4.5.2.8.3.2.1)		•
158.	158. ACCURACY	4.4.2.8.2 5 3.2	3.4.2.8.2.3.2		Antenna Pedestal OA 278	I - Synchro bridge	E	•	WDL-98-2031-04 (4.5.2.8.3.2.1)		z.
159.	159. AZIDATH STNCHRO	4.4.2.8.2.4	3.4.2.8.2.4		M/A	м/м	r		W/W	·	
160.	160. REPRESENTATION	6.4.2.8.2	3.4.2.8.2.4.1		Antenna Pedestal OA 278	X - Synchro bridge		£	WDL-98-2031-04 (4.5.2.8.3.3.1)		•
161.	161. ACCURACY	4.2.8.2 3	3.4.2.8.2.4.2	r.	Autenna Padestal OA 278	X - Synchro bridge	£	æ	WDL-08-2031-04 (4.5.2.8.3.3.1)		=
162.	ACQUISITION SUBSYSTEM	4.4.2.9	3.4.2.9		#/ #	A/A	ı		4/ E	ŧ	
163.	SCAN HODE	4.4.2.9.1	3.4.2.9.1		Autenna & Pedestel X OA 278	- H		*	WML-98-2031-04 (4.5.2.9.1)	£	
1 6 .	164. SCANIDIC SPEED	4.4.2.9.1.1	3.4.2.9.1.1	:	Antenna & Pedastal X - OA 278	ı ·	•	, H	WDL-98-2031-04 (4.5.2.9.1.1)	WDL-97-143836-01	r

TABLE 3-1 - MAJOR PUNCTIONS TO BE ITSTED

RADAR TRACKING (PRELORY) (HDL-98-2043-8-09)

MAJOR	MAJOR PURCTIONS OF	APPLICABLE	PARACRAPHS	_	APPLICABLE HAJOR	ACCEPTANCE TESTS	STS		AVAILABILITY OF D	AVAILABILITY OF DETAILED PROCEDURES	COMPUTER *
TION	SUBSYSTEM SPECIFICA- TION	AT (PAR. 4) 4DL-98		108 ¢	SUBSYSTEM EQUIP.	VENDOR/IN-HOUSE OFFIPHERAL EQUIP-	ON-SITE OPERIPHERAL EQUIPMENT)	PHASE III TESTS (PERIPHERAL EQUIP-	4T 4DL-98-2031-04	PHASE 111 HDL-97-143836-01	PROGRAM DIG (DIAGNOSTIC)
	3	204.38-09	20438-09	DESIGN GUIDE	8		9	8	WDL-98-20438-09		į
165. 9	RASTER WIDTH	4.4.2.9.1.2	-i	N/A	Antenna 6 Pedestal X OA 278		. H/A		(4.5.2.9.1.2)	4DL-97-143836-(1)	N/A
166.	RASTER REIGHT	4.4.2.9.1.3	3.4.2.9.1.3		Antenna & Pedestal X	-	£	×	40-16-38-701-04	UDL-97-143836-01	:
167. 4	VERTICAL ANTENNA 4.4.2.9.1.4 3.4.2.9.1.4 MOVEMENT	4.4.2.9.1.4	3.4.2.9.1.4	£	Antenna & Podostal X	ı H	t	н	(4.5.2.9.1.3) 121-98-2031-04 (4.5.2.9.1.4)	WDL-97-143836-01	:
168. 1	RASTER SCAN STOP 4.4.2.9.1.5	4.4.2.9.1.5	3.4.2.9.1.5		Antenna & Pedestal X 0A 278	·		н	.DL-98-2031-04 (4.5.2.9.1.5)	WDI-97-143836-01	£
169.	CASTER SCAN RESET 4.4.2.9.1.6	4.4.2.9.1.6	3.4.2.9.1.6		Antenna & Pedestal X OA 278	·		н	70L-98-2031-04 (4.5.2.9.1.6)	WUL-97-143836-01	E
170.	REPOTE OPERATION 4.4.2.9.2	4.4.2.9.2	3.4.2.9.2		H/A	٨/٣	ı	R/A	PDL-98-2031-04	V/N	
111.	RLD:CZY	4.4.2.9.2.1	3.4.2.9.2.1		Antenna Pedestal X OA 278	X - Synchro Test Fixture-SK19294			WDL-98-2031-04 (4.5.2.9.2.1.1)	=	2
172. 1	ELEVATION	4.4.2.9.2.2	3.4.2.9.2.2		Antenna Pedestal OA 278	X - Synchro Test Pixture-SK18294			.DL-98-2031-04 (4.5.2.9.2.1.2)	<i>-</i>	:
	RANGE	4.4.2.9.2.3	3.4.2.9.2.3	t	Antenna Pedestal X OA 278	X - Synchro Test Fixture-SK19295	•	ı	ubl-98-2031-04 (4.5.2.9.2.2)	=	=
174.	ALICHMENT & CALI-4.4.2.10 BRATION SUBSYSTEM	4.4.2.10	3.4.2.10		N/A	M/A		8	WDL-98-2031-04 (4.5.2.10)	=	:
175.	BORES IGHT TELESCOPE	4.4.2.10.1	3.4.2.10.1	5.1.3	H/A				401-98-2031-04 (4.5.2.10.2)	:	:
176. 1	MAGNIPICATION	4.4.2.101.1	3.4.2.10.1.1	N/A	Antenna 6 Pedesta X	- н	ı	•	WDL-98-2031-04 (4.5.2.10.2.1)	:	=
177.	DHAGE	4.4.2.10.12	3.4.2.10.1.2		Antenna & Pedestal assembly	; H	*	н	WDL-98-2031-04 (4.5.2.10.2.2)	WDL-97-143836-01	:
178.	rocus	4.4.2.10.13	3.4.2.10.1.3		Antenna & Padestal X assembly	:	ŧ	×	.01-98-2031-04 .(4.5.2.10.2.3)	WDL-97-143836-01	
							-				

TABLE 3-1 - MAJOR FUNCTIONS TO BE TESTED

RADAR TRACKING (PRELORY)
(NDL-98-2043-5-09)

HAJOR FUNCTIONS OF	THAY	ICABLE PARACRAPHS	SHY	APPLICABLE MAJOR	ACCEPTAN	ACCEPTANCE TESTS		AVAILABILITY OF PROCEDI'RES	AVAILABILITY OF DETAILED PROCEDIRES	COMPUTER
SUBSYSTEM SPECIFICATIO	(PAR. 4)	s/s 3.3	TOR #	SUBSYSTEM EQUIP.	VENDOR/IN-HOUSE (PERIPHERAL	ON-SITE (PERIP:ERAL	PHASE III TESTS (PERIPHERAL	AT WDL-98-2031-04	PIASE 111 WDL-97-143836-01	Programing (Dlagnestic)
3	98-20438-09	20438-09 (C)	DESIGN CUIDS	Đ	EQUIPMENT)	EQUIPMENT) (G)	EQUIPMENT)	4DL-98-20438-09	ŝ	3)
179. RETICLE ILLUMINATION	4.4.2.10.1.4	3.4.2.10.1.4	N/A	Autenna & Pedestal X assembly	- *	N/A	·	.DL-98-2031-04 (4.5.2.30.2.4)	WDL-97-143836-01	N/A
180. TELESCOPE MOUNT	4.4.2.10.1.5	3.4.2.10.1.5		Antenna & Pedestal X assembly		ř	·	WDL-98-2031-04 (4.5.2.10.2.5)	WDL-97-143836-01	ε
181. RESOLUTION	4.4.2.10.1.0	3.4.2.10.1.6		Antenna & Pedestal Assembly & Target Board	N/N	X - Target Board	N/A	N/A	N/N	=
182. BORESIGHT CAMERA & LENS ASSEMBLY	4.4.2.10.2	3.4.2.10.2	5.1.5	W/W	No A/T GPE	м/м	E.	No A/T GPE	ı	
183. FILM	4.4.2.10.2.1	3.4.2.10.2.1	٧, ٢	Radar 2/S plus boresight target board	м/м	· H	4/x	No A/T CFE		ŧ
184. RETLEX VIEWER OR BORESIGHT TOOL	4.4.2.10.2.2	3.4.2.10.2.2		N/A	No A/T CPE	R/A		No A/T GFE	z	£
185. DATA RECORDER	4.4.2.10.2.3	3.4.2.10.2.3	:	N/A	No A/T GPE	1	r	No A/T GPE	ı	r
186. FOCUS	4.2.10.2.4	3.4.2.10.2.4	:	A/A	No A/T CPE	:	·	No A/T CPE	ı	
187. CALIBRATED ESTICIES.4.2.10.2.5	4.4.2.10.2.5	3.4.2.10.2.5		¥/¥	No A/T GPE			No A/T GPE	ı	•
188. RESOLUTION	4.4.2.10.2.6	3.4.2.10.2.6		E/A	No A/T CPE			No A/T CFZ		
189. REMOTE CONTROL	1.4.2.10.2.7	3.4.2.10.2.7	5.9	N/A	K/A		:	No A/T GPE		
190. Boresicht Carera & Lens Assembly Mount	6.4.2.10.2 B	3.4.2.10.2.8	N/A	R/A	He A/T GPE	и/а	z	No A/T GPE	t	
191. RP SIGNAL GENERA- 4.4.2.10.3 TOR	6.4.2.10.3	3.4.2.10.3	2	W/W	No A/T GFE	W/A	ź	WDL-98-2031-04 (4.5.2.10.3)	ı	
192. TUNING RANGE	4.4.2.10.3.	3.4.2.10.3.1	ı	OA 274	, ,	ж/я		WDL-98-2031-04 (4.5.2.10.3.1)	E	ı

TABLE 3-1 - MAJOR FUNCTIONS TO BE TESTED
RADAR TRACKING (PRELORT)
(UDL-98-2043-8-09)

AVAILARILITY OF DETAILED PROCECURES COMPUTER *	HDL.98-2031-04 HDL-97-143836-01 (DLAG"NSTIC)	μDL-98-20438-09 (J) (K)	4DL-99-2011-04 K/A (4.5 2 10.3.2)	war_93.2031-04 "	WDL-98-2031-04 " (4.5.2.10.3.4)	WDL-98-2031-04 (4-5-2,10-4)	WDL-99-2031-04 (4,5 2.10 4 1)	WDL-99-2031-04 (4.5 2.10 4.2)	WDL-99-2031-04 (4.5.2.10.4.3)	: 4 /k	"DL-96-2248-04	WDE-98-2233-04 ".	
	P ASE 111 TESTS (PERIP (ERAL EQUIPMENT)	(11)	V , N	ŧ	ı			r	,	·	r		and oleverion.
ACCEPTANCE TESTS	ON-SITE (PERIP.ERAL EQUIPMENT)	(0)	N/A	:		1	z	t	z	. *	-	N7A	Commanding Computer wis the synchro sipving link in sateuth and olevation the CDC1863.
ACCEPTAN	VENDOR/IN-HOUSE (PERIPHRAL FOULPHENT)	(F)	H	. *	×	N/A		,	ı,	4/N	; *	i H	r vie the synchro si
APPLICABLE MAJOR	SUBSYSTEM EQUIP.	(E)	OA 274	OA 274	OA 2:14	4/k	0A 274	OA 274	0A 274	Turget board	0A 274	OA 278	Disgnostic Progress Will That Couldn's Commanding Computer Capability of Antenna to be driven by the COCI60A. Commanding Computer Capability of Antenna to aleva to all other antenna. Capability of Antenna Emaging System to be driven by the COCI60A. Capability of Antenna Ranging System to be driven by Doppler Signalator
97	TOR # 930(2110)-2	(a)	м/м	W/W			:	:	:	:	:		e CDC160A. her antenna he driven by
ICABLE PARAGRAPHS	IOF A: 5/S 1 (PAR. 3) 93 93 93 93 93 93	98-20438-09 (C)	3.4.2.10.3.2	3.4.2.10.3.3	4 3.4.2.10.3.4	3.4.2.10.4	3.4.2.10.4.1	.2 3.4.2.10.4.2	4.4.2.10.4.3 3.4.2.10.4.3	3.4.2.10.5	3.4.2.10.6	7 3.4.2.10.7	That the driven by the CDC160A. a larve to all other enterman uging System to be driven by inging System to be driven by
APPLICA	(PAR. 4)	\$8-20438-09 (8)	4.4.2.10.3.2 3.4.2.10.3.	4.4.2.10.3.3	4.4.2.10.3.4	4.4.2.10.4	4.4.2.10.4.1	4.4.2.10.4.2	6.4.2.10.4.3	4.4.2.10.5	4.4.2.10.6	N 4.4.2.10.7	Ogram Will Tatement to be bencement to a futenment
MAJOR PUNCTIONS OF	ŧ	3	POWER CUIPUT	FREQUENCY STABILITY	ACCURACY	ELECTRONIC	TDE BASE	SIABILITY	MINIHUM TINE HEASUREHENT	BORESIGHT TARGET 4.4.2.10.5 BOARD	RF DISTRIBUTION CONTROL UNIT	AZ DAUTH, ELEVATION 4.4.2.10. 6. RANGE DISPLAY	UDLE Diagnostic Program Will 1. Capability of Antenna to 2. Capability of Antenna to 3. Capability of Antenna Ra 4. Capability of Antenna Ra
MAJOR	SUBSY		193.	194.	195.	196.	197.	198.	199.	200.	201.	202.	

TABLE 3-2 - MAJOR FUNCTIONS TO BE THESTED

200 MC AUTOTRACK ANTERNA (WDL-96-2073-09)

MAJOR FUNCTIONS OF	APPL	APPLICABLE PARAGRAPHS		APPLICABLE MAJOR	ACCEPTANCE TESTS	t TESTS		AVAILABILITY OF	AVAILABILITY OF DETAILED PROCEDURES	CONCUTER *
SUBSYSTEM SPECIFICATION	(PAR. 4)	\$/\$ (PAR. 3) BDL5033_00	930(2110)-4	SUBSYSTEN ROLLP.	VENDOR/IN-HOUSE (PERIFHERAL EQUIPMENT)	ON-SITE (PERIPHERAL EQUIPHERIT)	PHASE III TESTS (PERIPHERAL EQUIPMENT)	AT WDL-98-2140-04	PMASE III WDL-97-143840-01	(DIAGNOSTIC)
3	(6)	(0)	(6)	9	ε	9	Œ	α)	(f)	Ω)
1. ANTERNA PEDESTAL LEVEL	4.3.2.1		\$	Antenna Pedestal WDL-AM-013	X - Transit	W/A	*	1 6.4	WDL-97-143840-01 (1/21/63)	R/A
2. OPTICAL COLLIMATION	4.3.2.1.1	3.2.2.4	4	Antenna Pedestal	M/A	X - B/S Town: Optical & ET	Telescope Brunsen Medel Si with Mountine Rase	4 5.1.1	WDL-97-143840-01 (1/21/63)	•
3. OFTICAL-RF COLLI- 4.3.2.1.2 HATION	4.3.2.1.2		ន	Antenna Padestal WDL-45-013	M/A	X - Autema Hounte	W Boresight Target M/A		,	
4. ENCODER ALICHMENT 4.3.2.1.3	4.3.2.1.3	5.2.3.2.(a)	1		- ×	¥/#	٧/٧	4.5.1.3	•	
5. ELEVATION ENCODER 4.3.2.1.3.		3.2.4	7.	Pudestal, OA-270: A03	X · Clinometer	4/1		4.5.1.3.1	WDL-97-143840-01 (1/21/63)	ŧ
6. ELEVATION ENCODER 4.3.2.1.3.	~	3.2.4.2(m)	1	Pade stal. OA-270: A03	Z - Talascope	4/8	Telescope Srunson Sl Optical Boresight Tergets	4.5.1.3.2	WDL-97-143840-01	•
7. AZDGTB ENCODER	4.3.2.1.4	3.2.4	3.1	Padastal, 0A-270: A03	X - Transit	V /20	W/W	4.3.1.4	*/	
8. AZIMUTH ENCODER LINEARITY	4.3.2.1.4.1		2	Pedestal, 0A-270: A03	X - Transit	H/A	W/W	4.5.1.4.1	٧/2	
9. AZIMUTH ENCODER ALICHMENT	4.312.1.4.2	3.2.4.2(a)	1	Pedestal, 0A-270: A03	I - Telescepe & B/S Teesr	V/R	Telescope #81 & Boresight Target American Ephemoria &	4.5.1.4.2	(1/21/63)	*
10. ANTERNA ANALOG POSITION BEADOUTS	6.3.2.1.5	3.2.2.2.5	2	Padastal, 0A-270: A03	X - Talescope & B/S Tower	M/A	Mautical Almenso Talescope #81 Optical Meresight	4.5.1.5	(1/21/63)	
11. ANTERNA TRAVEL LIMITS	4.3.2.1.6	3.2.2.1.2	4.2.2	Pedescal, 0A-270: A03		N/A	Tairget	4.5.1.6	4 /£	ı
12. ANTERNA PEDESTAL WARH-UP	4.3.2.1.7	3.2.2.1.3.2 3.2.2.2.4 3.2.3.2.4 3.2.3.2.4	r; *	Padeareal. OA-270: AG4	i H	V/R	4 /	4.5.1.13	4/2	ŧ

CABLE 3-2 - MAJOR FUNCTIONS TO BE TESTED 200 MC AUTOTRACE ANTERNA (MPL-98-2073-09)

£,50	MAJOR FUNCTIONS OF	1	APPLICABLE PARACRAPHS		APPLICABLE MAJOR	ACCEPTANCE TESTS	LESTS		AVALLABILITY OF	AVALLABILITY OF DETAILED PROCEDURE	COMPUTER .
Seps	SUBSYSTEM SPECIFICATION	AT VDL- 98.2073-09	S/S WDL- 98-2073-09	70R # 930(2410)-4 weign Guide	SUBSTSTEM EQUIP.	VENDOR/IN-HOUSE PERIPHERAL EQUIPHENT)	ON-SITE Peripheral Equipheri)	PHASE III TESTS PERIPHERAL EQUIPHENT	AT 4DL-98-2140-04	PRASE 111 VDL-97-143840-01	PROCRAMPIENC (DIACNOSTIC)
	(v)	3	(c)	(8)	(E)	(2)	9	(E)	ε		Ş
ij	SERVO & PEDESTAL EQUIP. STATUS INDICATORS	4.3.2.2	3.2.2.2.1.abs 3.2.2.2.2a	4.3	Pedestal, OA-270:A03, A04	×	n/a	N/A	4.5.2.1	и/л	R/A
	POSITION ERROR SIGNAL GRADIENT CALIMBATION	4.3.2,2.1	-	ž	Padescal, AC-230:A03, A04	X-Low Pass	к/А	Y/R	4.5.2.2	#/A	M/A
15.	VELOCITY VOLTAGE GRADIENT CALISRATION	4.3.2.2.2	3.2.2.1.3.2. 3.2.2.2.1b	3	Pedestal, 0A-270:A03, A04	X-Low Pass Filter Angular Accelerometer	N/A	V / X	4.5.2.3	R/A	¥/R
.	SERVO LAGS	4.3.2.2.3	3.2.2.2.1.3. a 4.1.2.2	• 4.1.2.2	Pedestal, OA-270:A03, A04	A-Low Pass Filter Angular Accelerometer	K/A	M/A	4.5.2.4	M/A	H/A
13.	17. HANDWHEEL FOLLOW- 4.3.2.2.5.6 UP TESTS	4.3.2.2.6		5	Pedestal, OA-270:A03, A04	X-Low Page	H/A	k/A	4.5.2.5	V/X	H/4
10.	TRACKING ERROR METER CALIBRATION	4.3,2,2.5	3.2.2.2.35	23	Pedestal, CA-270: A03, A04, CA-271	X-B/S Equip.	#/A	V/N	4.5.2.6	#/ x	м/А
ē.	ANTENNA SLEWING RATES	4.3.2.2.6	3.2.2.1.2.2	4.2.2	Pedestal, OA-270; AO3, AO4, OA-271	×	N/A	1/A	4.5.2.7	٧/٧	H/A
20.	RECEPTING EQUIP-	4.3.2.3	3.2.2.3	4.4	04-270	X-50 ches PAD Motes Generator	N/A	Signal Generator	4.5.3	PDL-97-143840-01	H/A
21.	21. PREAMPLIPIER	4.3.2.3.1	3.2.2.3.1	4.4.2b	Paramp Model WDL-AM-153		50 ohm PAD Hotse Generator	107A, RF Millivoit-	4.5.3.1	R/A	H/A
22.	NOISE PICTURE	4.3.2.3.1.1	3.2.2.3.1(a)	4.4.2b	Faremp Model WDL-AM-153	X-50 ole PAN Noise Generator	K/A	FM11A, 50 obm PAD FP355A	4.5.3.1.1	WDL-97-143840-01	N/A
ij	23. BANDWIDN'B & GAIN	4.3.2.3.1.2	3.2.2.3.1b,c 4.4.2b	4.4.25	Paramp Model WDL-AM-153		K/A	(2 es.), Counter HP524%	4.5.3.1.2	H/A.	M/A
							_				

TABLE 3-2 - MAJOR FUNCTIONS TO BE ITSTED

200 HC ACTOTRACK ANTENNA (WDL-98-2073-09)

2 2 4
ī
Actenna 0scillator BPC-99-650 Comparator A. By Convertor Square Wave Generator BP-99-211.8 X - BY Convertor Stand Generator BY-99-31.8 X - BY Convertor Stand Generator BY-99-31.8

TABLE 3-2 - MAJOR FUNCTIONS TO BE TESTED

200 MC AUTOTEACK ANTERNA (WDL-98-2073-09)

MAJOR PUNCTIONS OF		APPLICABLE PARAGRAPHS		APPLICABLE HAJOR	ACCEPTANCE TESTS	7 TESTS		AVAILABILITY OF	AVAILABILITY OF DETAILED PROCEDURES	COMPUTER *
SUBSYSTEM SPECIFICATION (A)	AT (PAR. 4) WDL. 98-2073-09 9	\$/\$ (PAR. 3) UDL. 18-2073-09 (C)	108 # 930(2110)-4 DESIGN GUIDS (D)	SURSYSTEM EQUIP.	VENDOR/IN-HOUSE (FERIFFERAL EQUIPPENT) (F)	ON-SITE (Priperal Equippent) (G)	PMASE 111 TESTS (PERIPHERAL EQUIPMENT) (H)	AT WDL-98-2140-04 (1)	AT PHASE III WDL-98-2140-04 WDL-97-141840-01 (1)	FROGRAMMING (DIAGNOSTIC) (K)
36. FLY-BY IEST	4.3.2.4	3.2.2.1.3.2. (b) 2.2.1.3.2. 3.2.2.2.1(c) 3.2.2.2.1.3.1(d) 3.2.2.1.3.2.2.1.3.1(d) 3.2.2.1.3.1(d) 3.2.2.1.3.2.1 3.2.2.1 3.2.2.1 3.2.2.1 3.2.2.1 3.2.2.1	6.3 6.3 6.1.2.3 6.2.2.3 6.2.2.1 6.1.2.1	Entire Subeyatem X		¥/8	к/ А	4.5.4	ж/ч	N/A
* DDLE Diagnostic Program vill 1. Capability of Astenma of In Asimath and Slewstic 2. Capability of Astenma to	Diagnostic Program vill Capability of Access to In Asiauth and Elevelich Capability of Antenna co		test be driven by the CDC1604, alare to all other Antenham.							

TABLE 3-3 - MAJOR PUNCTIONS TO BE TESTED

SUBSYSTEM PR/CM_TRIPHETRY_CACUMD_STATION.

COMPUTER	Procrady ing (diagnostic)	(K)	3	₹/4											
WALLA (1) 177 OF DETAILED PROCESSISES	PMSE III 4DL-97-143861-01	5	WDL-97-143861-01	TDL-97-143861-01	UDT-91-143861-01	WDL-97-143861-01		H/A	WDL-97-143861-01	₹,	и/А		ID-13-143861-01	PDL-97-143861-01	
AVAILA (TLITTE OF DE	WDL-9304 OR 09	(D)	4DL-97-143861-01 (4.5.3.1.1)	TDT-98-5045C-09	(5ee Note #7)	(4.5.3.1.1.2) (See Note #7) PDL-98-2045C-09	(See Note #7)	(4.5.3.1.2)	(4.5.3.1.2.1)	See Note #7)	WDL-98-2045C-09	(4.5.3.2) (See Note 1)	(4.5.3.2.1) (5ec Note #1)	(4.5.3.2.2) (4.5.3.2.2) (7.5.3.2.2)	(4.5.3.2.3) (See Hote #1)
	PMASE 111 TESTS (PERIPHIPAL EQUIP- MENT)ON	(H)	Sounter, HP-524C TVH, HP-400H (2 ex.)	(2 ea.)	Dacilloscope Plug-In, Type CA (HP)	Oscilloscope XIO Probe		N/A	×	×	toise Scource, MP-343A WDL-98-2045C-09	totas Figure Metar, IP-3408	IP-200-CD Decilloscope BP-531	Jetiloscope Plug-in Jult Type L (HP)	
STS	ON-SITE (PERIMERAL EQUIMENT)	(6)	N/A	:	:			t	t	:					-
ACCEPTANCE TESTS	VE 4DCR/IN-HOUSE (FIRITHERAL EQUIP- HINT)	(£)	N/A	*	0A241,0A234,0A235 X-Programmed Patch Board (G)	÷		N/A	X-Program Patch Board (A)	X-Program Patch Board (B) Program Patch Board (G)	B/A	,	. ś	. *	
APPLICABLE MAJOR	SUBSYSTEM EQUIP.	(3)	N/A	OA 2346 OA 235	OA 241, OA 234, OA 235	OAZ41, OAZ36, OAZ35 X-		N/A	OA241, OA239, OA243 X-Program Patch OA245 Board (A)	OA 241, OA 239, OA 243 X - Frogram Pacch OA 240 Program Pacch Board (5) Board (6)	N/A	CA 236, CA 237, CA 238 X	04236,04237,04238 X-	CA 236, CA237,	
Ş	TOR # 930(2110)-1 APPENDIX-8	DESICN GUIDE (D)	N/A	3.6	3.6.1	3.6.2		N/A	3.7.1.7	3.7.1.7	У/У	3.2	3.2.3.3	3.2.3.3	
APPLICABLE PARAGRAPHS	S/S (PAR. 3) WDL-	98-2045C-09 (C)	N/A	3.4.2	3.4.2	3.4.2		N/N	3.4.5.1	3.4.5.1	K/A	3.4.1	3.4.1	3.4.1	
APPLIC	(PAR. 4)	98-2045C-09 (B)	4,5,3,1.1	4.5.3, 1.1.1	4.5.3.1.1.2	4.5.3.1.1.3		4.5.3.1.2	4.5.3.1.3.1	4.5.3.1.2.2	4.5.3.2	4.5.3.2.1	4.5.3.2.3	4.5.3.2.3	
MAJOR FUNCTIONS OF	N1108	8	1. MAGENTIC TAPE RECONDER GROUP	2. GENERAL OPERATION	3. SPEED STABILITY	4. FREQUENCY RESPONSE		S. OPTICAL OSCILLOCHAPH RECONDER CROUP	6. ALIGNMENT	7. FREQUENCY RESPONSE	8. WF GROUP	9. NOISE FIGURE	10. RECRIVER SENSITIVITY	11. S HC INPUT TO RECEIVERS	

Chile descriptions to be tested by the tested by the tested cross station (noise 98-20asc-09)

* 121	UNING STIC)		N/A	·						
L	PROGRAPHING (DIAGNOSTIC)	Ê	· · · · · · · · · · · · · · · · · · ·							
AVAILASILITY OF DETAILED PROCEDURES	PRASE 111 NDL-97-143661-01	ô	4/2	WDL-97-143861-01	VDL-97-14861-01	WL-97-143861-01	WDL 97-143861-01	KDL-97-143861-01	WDL-97-143861-01	WDL-97-143861-01
AVAILASILITY OF D	AT WDL-9804 OR - 09	(1)	WDL-98-2045C-09 (4.5.3.3) (See Note #7)	WDL-98-204SC-09 (4.5.3.3.2) (See Note #7)	WDL-98-2045C-09 (4.5.3.3.3) (See Note #7)	MDL-98-2045C-09 (4.5.3.3.4) (See Note #7)	MDL-98-2045C-09 (4.5.3.3.5) (See Note #7)	kDL.98 2045C-09 (4.5.3.3.6) (See Note #7)	WDL-98-2045C 09 (4.5.3.4) (See Note #7)	WDI.98-2045C-09 (4.5.3.5) (Sme Note #1)
	PHASE III TESTS (PERIPHERAL EQUIP- HENT)	Ê	4/#	н	×	н	н	н	H	Signal Generator HP-202A (2) VIVM HP-400H (2)
27 27 27 27 27 27 27 27 27 27 27 27 27 2	ON-BITE COULT- PERTY EQUIT-	(2)	₹/#	•	•	ı	ı	· .	*	:
ACCEPTANCE 12515	VERDOR/EN-HOUSE PET.IPHERAL EQUIP- HED T)	3	H/A	Z- Program Patch Board (F)	X- Program Patch Board (T)	N- Program Patch Board (F)	ы́ .	×	X-Program Fatch B Board (C)	X-Frogram Patch Board (E)
APPLICABLE HAJOR	SUBSTSTEM EQUIP.	(2)	¥/#	0A239, 0A243, 0A232, BA244, FA246	Sems as Above	04239, 04243, 04245, 04242, 04244, 04246	See as \$15	Same as \$15	0A241, 0A248, 0A249, 0A242, 0A243, 0A239, 0A240	Seres at \$18
9	TOR # 930(2110)-1 APPENDIX-8	(a)	K/A	3.4	3. ¢	*	3.4	:	3.5	4
APPLICABLE PARACRAPHS		98-2049C-09 (C)	K/A	3.4.3	3.4.3	3,4,3	3.4.3	3.4.3	3.4.4	3.4.5.8
APPLIC		98-2045C-098 (B)	4.5.3.3	4.5.3.3.2	4.5.3.3.3	4.5.3.3.4	4.5.3.3.6	4.5.3.3.6	4.5.3.4	4.5.3.5
MAJOR PUNCTIONS OF	SUBSYSTEM SPECIFICA- TION	3	PRIZE	SPECIAL IRIC CRANNELS CENTER PREQUENCY AND NANDEDGE ADJUSTHENTS	STANDARD IRIC CENTER FREQUENC AND BANDEDGE ADJUSTMENT	BAND SELECT DISCRIMINATOR CENTER PREQUENCY	SUBCARRIER DISCRIMINATOR OPERATIONAL PERPORMANCE	17. SUBCASHER DISCRIPTION TARE SPECE COMPENSATION	18. DECOMPUTATOR GROUP OFFERA- TIOMAL CHECK	19. CORMAND VERIFI- CATION DETECTOR AND ENDICATOR CROUP OFFERATION
KA.TOI	30'85 T108		별	ij	ź	15:	.65	ti.	, gi	61

TABLE 3-3 - NAJOR FUNCTIONS TO BE TESTED PAYOR TREDSTITE CROUDS STATION (NDL-96-2045C-09)

MAJOR FUNCTIONS OF	APPLI	APPLICABLE PARACRAPHS	SF.	APPLICABLE HAJOR	ACCEPTANCE TESTS	E rests		AVAILABILITY OF DE	AVAILABILITY OF DETAILED PROCEDURES	COMPUTER *
SUBSYSTEM SPECIFICATION	(PAR. 4)	\$/\$ (PAR. 3) VDL-	930(2110)-1 APPENDIX-B	SUBSYSTZM EQUIP.	VENDOR/IN-HOUSE (FER IPHERAL EQUIPMENT)	ON-SITE (PERIPHERAL EQUIPMENT)	PHASE III TESTS (PERIPHERAL EQUIPPENT)	AT04	WL-97-143861-01	Programme (Diagnostic)
3	(g)	0	æ	(2)	3	(9)	(H)	0	5	(3)
20. SUBSYSTEM PERFORMANCE	4.5.4	N/A	0.4	Complete Subsystem N/A	N/A	4/4	50-OHY Matched T Microlab DB3FM	WDL-98-2045C-09 (4.5.4) (See Note #1)	8/8	H/A
21. SETUP	4.5.4.1	*	A/A	H/A	ı ×	t	ı M	WDL-98.2045C-09 (4.5.4.1) (See Note #1)	NDL-97-143861-01	r
22. REAL TIME OPERATION	4.5.4.2	4.	0.4	1	X - Program Patch Board (H)	ı	,	WDL-98-2045C-09 (4.5.4.2) (See Note #1)	WDL-97-143861-01	
23. FLATBACK	4.5.4.3	7.6	4/H	ı	X - Program Patch Board (1)	r	к	WDL-98-2045C-09 (4.5.4.3) (See Note #1)	WDL-97-143861-01	£
24. EVALUATION OF RECORDS	4.5.4.4	4.	5.2 & 5.4		i H		и	WDL-98-7045C-09 (4.5.4.4) (See Note #1)	WDL-97-143861-01	
	<u>.</u>						·			
* PM/FM Telemetry Diagnostic Program	apetic Progra	en will test the	-3-							
Decommissions and parts of telesoft by use of the Commitment Simulator	uts of telem	dtry data processor	10							

TABLE 3-4- MAJOR FUNCTIONS TO BE ITESTED SUBSTITEM - BATA BARDALING.
(VDL-98-20468-09)

MAJOR FUNCTIONS OF	APPLICAB	APPLICABLE PARACRAPHS		APPLICABLE MAJOR	ACCEPTANCE TESTS	TESTS		AVAILABILITY OF	AVAILABILITY OF DETAILED PROCEDURY	COMPUTER
SUBSYSTEM SPECIFICATIONS	TONS AT (PAR. 4)	S/S TOR # (PAR. 3) 169(3)10)-3 HDL-98-20468-pesign Cuide		SUBSTSTEM EQUIP.	Vendor/In-house Peripheral Equiphert	ON-SITE PERIPHERAL EQUIPMENT	PIASE III TESTS PERIPHERAL EQUIPMENT	AT PMASE III WDL-948 004 WDL-97-141850-01 OR 09	PM.SE III WDL-97-143850-01	PROCESHMING (DIAGNOSTIC)
(¥)	20468509	() 8	(a)	(z)	(r)	(0)	(8)	(1)	(1)	(K)
1. COMPUTER INTERFACE 4.3.2.1	4.3.2.1	N/A	N/A	W/A	N/A	V/N	×	WDL-98-20468-09 (4.3.2.1)	WDL-97-143850-01	l60A Computer and Periphe: al Equip.
2. IOB INTERFACE	4.3.2.1.1	3.2.2.3	400	CDC-160A OA 281-000 Synchro Data Liok Zouto.	Axial Indicator VICA Simulator SICA Simulator SC Synchro Displays	4/2	Timing Subayatem	(See Note 31) WDL-96-20468-09 (4.3.2.1.1) (See Note #1)	WDL-97-143850-01	Disquestic IOB Disgnestic
3. TOP INTERPACE	4.3.2.1.2	3.2.2.5	7.3	CDC-160A	STCW Simulator Output Simulator Input Simulator	N/A N/A	Timing Subsystem	(4.3.2,1.2) (5ee Note #1)	WDL-97-143850-01	TDP Diagnostic
4. CC INTERPACE	4.3.2.1.3	3.2.2.2	*;	COCYPTER, COMPUTER COCHUTER COCHUTER		V / A	4/A	WDL-98-20468-09 (4.3.2.1.3) (See Note #1)	N/A	CCC Diagnostic
5. TELEMETRY PROCES- SING	4.3.2	¥/8	N/A	K/A	R/A	K/A	N/A	WDL Test Procedure 695-229	# H/A	TDP Diagnostic
6. GP-1 HODE	4.3.2.2.1	3.2.2.5	7,3	CDC-160A OA-275-000	GP-1 Simulator	K/A	. ·	(See Note #6)	W/W	TDP Disgnostic
7. PCH MODE	4.3.2.2.2	3.2.2.5	7.7	CDC-160A CA- 275-000	PCI Staulator	٧/١	н/а	095-229 (See Hote 6b)		TDP Diagnostic
8. FH/F4 HODE	4.3.2.2.3	3.2.2.5	77	CDC-160A OA-275-000	PM/FM Simulator Pulse Cenerator	#/#	_*	695-229 (See Note #6)		TDP Diagnostic
9. DIGITAL DATA LINK 4.3.2.3 INTERFACE	4.3.2.3	3.2.2.7	7.7	CDC-160A OA 282-000 OA 290-000 OA 286	Tiwing Simulator RDT Input Simulator	٧/٧	Timing Subayaten	KDL-98-20468-09 (See Note #1)	WDL-97-143850-01	DDLE Diegnostic

TABLE 3.4 - MAJOR FURCTIONS TO BE TESTED

(NDL-98-2048-09)

COMPUTER *	(DIAGNOSTIC)			8	CLE Diagnostic	CLE Diagnostic	CLE Diagnostic	B/A	CUE Diagnostic		и/4		
DETAILED	ES	PHASE III	WDC-97-143650-01	3	MDL-97-143850-01	VDL-97-143850-01	WDL-97-143850-01	WDC-97-143850-01	WnL-97-143850-01		4DL-97-143850-01		
AVAILABILITY OF DETAILED	PROCEDURES	AT	08 - 09	(1)	(See Note #3)	(See Note #3)	(See Note #3)	Vendor (ACF)	Vendor (ACP) Acceptance Test		kD1-98-20468-09 (4.3.2.6) (Ses Note #1)		
		PHASE III TESTS (PERIPHERAL EQUIP-	YZNT)	(H)	N/A	CLE Test Panel	OLZ Test Panel	N/A	umbenc 1 Type 57-02E13-245		* /		
TESTS		PERIPRERAL EQUIP-		(3)	B/A	r	E	R/A	Two Cable Connoctors Amphenel Type Amphenol Type 67- 67-02E13-245 02E18-245		₹/%		
ACCEPTANCE TESTS		PERIPHERAL EQUIP-		ε	N/A	Pen Recorder CLE Test Panel Simulation	Pen Recorder LLE Test Panel Simulation	N/A	r		SPB Strucker		
APPLICABLE NAJOR	ernos katavadia	יייי בייייי		(2)	N/A	CDC-160A CA281-000	ФС-160A 0A281-000	F./A	Couverter, Computer Communications	.,,,,	1075-1604 0A 275-000 0A 276-000 0A 281-000 Converter, Computer		
PHS		169 (3110) -3	Design Cuide	ê	٧/٧	4.3.1	4.3.2	N/A	;				
APPLICABLE PARAGRAPHS	010	(PAR. 3)	2046B-09	9	W/A	3.2.2.4.1	3.2.2.4.2	N/A	3.2.2.2	,	0.77		
		(PAR. 4)	20468-09	(g)	4.3.2.4	4.3.2.4.1	4.3.2.4.2	4.3.2.5	4.3.2.5.1	3 . 6 %	0 1 1		
MAJOR FUNCTIONS OF	SUBSYSTEM SPECIFICATIONS			W)	TO: COMPAND	11. ANALOG COFFIANDENG 4,3,2,4,1	12. DIGITAL COMMUNDING 4.3.2.4.2	13. COMPANICATIONS LINE	14. CCC SELF TEST MODE	14 more manuer	PAREL INTERACE	·	

CONTROL AND DISCLAY
(NDL-98-204464-09)

	0571C) 0571C) (X)										
COMPUTER	PEGGRAMING (DIAGNOSTIC) (X)	•	•	•	•	•			•	•	•
P DETA 1 LED	PNASE 111 NDL-97-143845-01 (J)	VDL-97-143845- 01	A/A	N/A	¥/2	WL-97-143845-01	WL-97-143845-01	к/а	IDL-97-143845-01	WL-97-143845-01	w97-143845-01
AVAILABILITY OF DETAILED	AT WDL-98	WDL-98-2120-64 (4.5.3.1)	WDL-98-2120-04 (4, 5, 2)	unk98-2120-04 (4. 5. 2)	VDL-98-2114-04 (4, 5, 1)	GDL-98-2114-04 (4, 5, 2)	701-98-114-04 (6,3,1) and WDL-98-2120-04 (4,3,3)	Cabling not Provided	NDL-98-2129-04 (425,1)	(Son Hoten #2)	(See Roce 32)
	PHASE III TESTS (PERIPHERAL EQUIPMENT) (R)	Ħ	4/n	¥/¥	N/A	×	18 Yolk Power Supply (Armour T225-B)	к/л	Resistive Bridge (ES1-250M)	Ħ	Control Transferents (Lendix AT-2401C-10- 12) (Bandix AT-2401C-9-13) Teolatios Transferents (LIT-26306)
**	ON-SITE (PERIPHERAL EQUIPMENT) (G)	H/A	x/x	N/A	N/A	* /2	٧/٧	н	W/W	M/A	41
ACCEPTANCE TESTS	VENDOR/IN-HOUSE (PERIPHERAL EQUIPHERT) (F)	м	н	м	H	×	н	H/A	#\#	=	я
APPLICABLE HAJOR	Substisted equili-	Station Operator Consols, CA-176	Qs-176	04-176	04-176	Etation program board, Model	SPE (Above)	SPB, SOC	Synchro Data Link Equipment SPS	. Tion	SDIZ, SPB, SOC
	TOR # 930(2110)-5 DESIGN (D)	3.2.2	°;	ů	M/A	4	3.2.1	¥/H	V /R	. N/A	**************************************
E PARAGRAPHS	71- AT S/8 9	1.2.2.1.4	1.2.2.1.5.1 1.2.2.1.6.1 1.2.2.1.6.2	522254 522254 522255	1.2.2.1	•	3.2.2.3.3 3.2.2.3.1 k 3.2.2.3.2 k		3.2.2.2	3.2.2.2	2222 2222 2222 2222 2222
APPLICABL	(*AE, 4) 4DL 4B-2045A-09 9 (B)	4.3.2.2	4.3.2.2.2 4.4.4	777 777 777 777	4.3.2.3.1 3.	4.3.2.3.2	4.3.2.3.3	4.3.2.3.4	43.24.1	4.3.2.4.2	432421
MAJOR FUNCTIONS OF	SUBSTSTEM SPECIFICATION	1. LAND	2, INDICATOR & SWITCH CIRCUIT	3. HETER & STRONEO 4.3.2.2.3 DISPLAT	4. CONTINUITY & SMITCH CIRCUIT	5. 108 & CLE INTER-4.3.2.3.2 LOCK SWITCH	6. PLRECTING SOURCE CONTROL	7. SPB TO SOC CABLING	8. COPPER USBALANCE 4.3.2.4.3	9. STRUCERO LINK LOOP ETROR	10. ANTENNA AS A DIRECTING SOURCE

COOTROL AND DISEARY
(RDL-98-304aa-09)

COMPUTER *	PROGRAPHING (DIAGNOSTIC)	(r)	N/A	и/м	ised of beb aro aro aldo's but blesses bis	ION/SOC diagnostic is provi 1. ETA/ATT 2. Curteonichus vehicle 3. As., el. res ge indice 4. Diapley sod switch row 5. Societal masses select
ETATLED PRO-	PNASE 111 FDL-97-143245-01	3	.m1-97-143845- D1	501-97-143545- 01	pir.97-143845-	NN86-21.29-04 NN97-143045- (4-5-2
AVAILABILITY OF C	AT 4019804 08	Ω	(Sec Note #2)	(See Note #2)	WDL-98-20468- 09 (\$48 Note #1)	
	Phase III test (peripheral equippeat)	(H)	Control Transformers (Bendik AY-2401c- 10-D2 (Bendik AY-2401c- 9-D3) (Belation Trans- former: (LP-D5:96)	Control Trass- forwars (Bradia AY-2401C- 10-D2) (Bradia AY-2401C-9- D3) Isolation Traus- forwar: L.P-DS306)	Control Trass- formers: (Bandix AY-2401C-10 D2) (Bandix AY-2401C-9- B3) idelation Trass former: (LTP-04306)	Control Transforment (Dendis Ar-24016- (D-75) Selster Ar-24016- Discharationser: Lar-18200)
£ 1257.8	2118-00 (Peripheral) Equiphery)	(0)	٧/١	ж/А	٨/٨	4
ONVIAZOOV	VENDOR/IN-HOUSE PERIPHERAL EQUIP JENT)	(r)	к/х	Y #	KA.	\$
APPLICABLE MAJOR		(£)	spir, spb, soc	Calculation	SFB, SOC	SDLZ, SPB, BOC
ARAGRAPHS	TOR # 930(2110)-5 DESIGN	e 3	3.3.1.2	٧/٣	3.3.1.2	2.
APPLICABLE I	S/S (PAR. 3) HDL-	(C)	3, 2, 2, 2, 3, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	3, 2, 2, 2	3,2,2,3	1.2.2.2.1
	(PAR. 4) WDL-	(8)	4.3.2.4.2.2	4.3.2.4.2.3	4,3,2,4,3	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
HAJOR PUNCTIONS OF	SUBSYSTEM SPECIFICA- TION	3	11. ANTERNA AS A SLAVE	12. TOTAL SYNCHRO LOOP ERROR ESTWERN ANTENNAS	13, ACQUISTTION SERVO INPUT	14. 1.2 AKIS CONTACTA
	APPLICABLE PARAGRAPHS APPLICABLE HAJOR ACCEPTANCE TESTS APPLICABLE PARAGRAPHS APPLICABLE PARAGRAPH APPLICABLE PARAGRAPHS APPLICABLE PARAGRAPHS APPLICABLE PARAGRAPH APPLICABLE PARAGRAPHS APPLICABLE PARAGRAPHS APPLICABLE PARAGRAPH APPLICABLE PARAGRAPHS APPLICABLE PA	APPLICABLE PARAGRAFIES APPLICABLE PARAGRAFIES APPLICABLE PALAGRAFIES APPLIC	APPLICABLE PARAGRAFIES APPLICABLE MAJOR ACCEPTANCE TESTS ARALLEGUELITY OF OUTSILED PRO- A	Control Land Bands Control	A	A. A. C. A

TABLE 3-6 - HAJOR PUNCTIONS TO BE

TABLE 3-6 - HAJOR TURCTI

HAJOR FUNCTIONS OF	APPLICABI	ILE PARAGRAPHS		APPLICABLE MAJOR	ACCEPTANCE TESTS	t rests		AVAILABILITY OF	AVAILABILITY OF DETAILED PROCEDURE	COMPUTER
SUBSYSTEM SPECIFICA- TION			-	SUBSYSTEM EQUIP.	VENDOR/IN-ROUSE (PERIPHERAL ZQUIPMENT)	ON-SITE (PERIPHERAL EQUIPHENT)	PIASE 111 TESTS (PERIPHERAL EQUIPMENT)	AT WDL-9b04 or 09	PHASE 111 WDL-97-143855-01	Programing (Dlagnostic)
(8)	∙ਾ	%8-2047A-09	CUIDE (0)	(<u>1</u>)	•	(3)	(8)	Œ	a	(K)
1. THE DISPLAY GENERATOR	4.3.2.2	3.3.7.1	4.2.3	OA 285-A05,	Tiuing Test Unit	H/A	WS-117L or 622A Tining Generator	WDL-98-2047A-09 (4.3.2.2) (See Note #5)	WDL-97-14385S-01	#1A
2. TIME DISPLAY UNIT 4.3.2.2.	4.3.2.3	3.3.2.3	4.2.3	IDU, Hodel WDL- ID-157, 9 or 10 ea TDD, Hodel WDL-CV-116, 3 or 4 ea TDG (listed above)	Tining Test Unit	ı	MS-117L or 62A Haing Generator	WDL.98-2047A-09 (4.3.2.3) (See Note #5)	udl.97-143855-01	N/A
3. TIMING TERMINAL UNIT	4.3.2.4	3.3.2.4	4.2.3	TDC (listed above Timing Test Unit TTV, Model WDL- TD-104, 3 se	Timing Test Unit	r	WS-117L or 622A Timing Generator	WDL-98-2047A-09 (4.3.2.4) (See Note #5)	WL-97-143855-01	K/A
4. SYSTEM DELAY TEST 4.3.2.5	4.3.2.5	3.3.1.3	4.1.2	1110, 1100	Timing Test Unit	£	M/A	WDL-98-2047A-09 (4.3.2.5) (See Note # 5)	V/R	R/A
5. TIPE CONVERTER TEST	4.3.2.6	3.3.2.5	Not Discussed	722 45	•		M/A	WDL-98-2047A-09 (4,3,2,6) (See Rote #5)	8/4	W/W
" The System Time Code Word Diggs will test the STG4 on each I'd		ostic Program 75 for proper increment.	Lacramant.		MOTE: In addition to the state of the state	1	ន្ត	4	7	V/R

EXBLE 9-2 MAJOR FUNCTIONS TO BE TESTED
THE GREENINGATION CRAIND, STATION

MAJOR FUNCTICAS OF SUBSYSTEM SPECIFICATION	APPLICAL	BLE PARAGRAPIIS		APPLICATE MAJOR	ACCET	ACCRPIANCE, TESTS		VAILIBILITY OF DETAILED PROCEDURES	TA 11.ED PROCEDURES	COMPUTER *
WDL-98-2075 09 (A)	AT (PAR, 4)	\$'\$ (PAR.3) (G)		COCOUNICATIONS RECTIREMENTS SUBSTATEM EQUIP. PLAM, SECTION	VENDOR/IN-HOUSE PERIPHEAL ECTIPHENT (F)	ON-SITE PERIPHEML EQUIPHENT (G)	PMSE III TESTS PERIPHERAL EQUIPHENT (8)	ACCEPTANCE TEST. WDL-9804 OR -09 (1)	PHASE III WDL-98-143842-01 (A)	3
1. FUBLIC ADDRESS NETWORK	4.4.1	3.2		10~-03/05	N/A	N/A	VECO responsibility Vestero Elect. Co. Sec. II 5.0 (Conducted by VECO witnessed by Philos)	VDL-5C-1492	11.7	H/A
Z. WOLCE COMMUNICATION 84.4.2	27.7.79	3.3			N/A	3/A		WDL-97-143842-01	N/A	N/A
a. ADMIN. TELEPHONES. 4.2.1. SERVICE	14.4.2.1	1.3.1		Served from base N/A	N/A		F10	n/A	H/A	
b. OPERATIONAL WOICE COMMUNI- CATIONS SYSTEM	4.4.2.3	3.3.2	7	104-03/04			Load Stmulators para, 4.4.2 (see Note #1)	WDL-98-2079-09 pers. 4.4.2 (see Note #1)		
c. LONG LINES TERMINATION EQUIPMENT	4.4.3	3.3.3	N-1	104-07/08			Test not supplied	•	N/A	
3. OTHER COMMUNICATION		3.4			N/A	N/A	M/A (except the fol-			N/A (except the fol-
. DATA TERMINAL	4.4.4	3.4.1	٧-3	101-39			Dati Handling subeyere DL -98-2046-09		VDL-97-143842-01	lowing) Accomplished in UDL-97-143850-01
. b. TELETT PE		3.4.2	A-2	101-02/03			Not required (equip-			
c. AIR/GROUND		3.4.3	~	104-01/02			-d inb	5.0	*/*	
4. VOICE RECORDING 4.4.5	6.4.5	3.4.4	1	104-06			WECO responsibility	R/A	N/A	
Since the equipment ecceptance (acceptance t	esting at 163	will be parte	reed by Western El	metric Go. no table	sting at 765 will be parterned by Mastern Electric Co. no table will be supplied for 7022				

TABLE 3-8 - MAJOR FUNCTIONS TO BE TESTED

SUBSYSTEM CHECKOUT SUBSYSTEM

(WDL-98-2049A-09)

TO BE SUBMITTED AFTER REVISED SUBSYSTEM SPECIFICATIONS HAVE BEEN APPROVED

A-32

DISTRIBUTION LIST

Address	No. of Copies
ASTIA	
Arlington Hall Station	
Arlington 12, Virginia	10
Commander	
Space Systems Division	
Air Force Systems Command	
Air Force Unit Post Office	
Los Angeles, California	
Attn: Technical Data Center	10
6594th Aerospace Test Wing	
Satellite Test Center	
P. O. Box 504	
Sunnyvale, California	
Attn: TWRD	8
Attn: IWZ	2
Philco Station Manager	
Fort Greely Tracking Station	
Delta Junction, Alaska	
Attn: R. Walker	1
Philco Station Manager	
Thule Tracking Station	
Thule Air Base	
APO 23	
New York, N. Y.	
Attn: L. Loofbourow	1
Philco Station Manager	
New Hampshire Station	
P. O. Box 311	
Amherst, N. R.	•
Attn: J. H. Moore	1
Philco Corporation	
Western Development Laboratories	OF 1 1 manuadusible
Palo Alto, California	85 + 1 reproducible
	118 + 1 reproducible

UNCLASSIFIED

UNCLASSIFIED